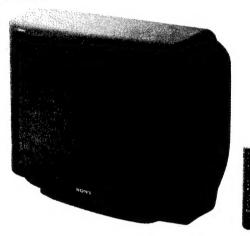
KV-S2911P/S2911D KV-S2912U/S2913E

RM-832

SERVICE MANUAL



French Model Chassis No. SCC-F32C-A AEP Model Chassis No. SCC-F26C-A UK Model Chassis No. SCC-F25C-A Spanish Model

AE-2 chassis

MODELS OF THE SAME SERIES

KV-S2911B/S2911D

KV-E2531D/E2931D/E3431D

KV-S2912U/S2913E

KV-E2531B/E293IB/E3431B

KV-E2533E/E2933E/E3433E/E2532U/E2932U

SPECIFICATIONS

[KV-S2911B]

Television system B/G/H, D/K L, I Stereo system

GERMAN stereo

Channel coverage L VHF: F02-F10 UHF: F21-F69

CABLE: B-Q

B/G/H VHF: E2-E12 UHF: E21-E69

CABLE TV (1) : S1-S41

CABLE TV (2) : S01-S05, M1-M10, U1-U10

ITALIA VHF: A-H2 (C) UHF: 21-69

D/K VHF: R1-R12 UHF: R21-R60 CABLE TV: S1-S41

UHF: B21-B69

[KV-S2911D]

Television system B/G/H, D/K Stereo system

GERMAN stereo

Channel coverage PAL B/G VHF: E2-E12

UHF: E21-E69

CABLE TV (1) : \$1-\$41

CABLE TV (2) : S01-S05, M1-M10, U1-U10

D/K VHF: R1-R12 UHF: R21-R60

[KV-S2912U]

Television system |

Stereo system Channel coverage UHF: B21-B69

NICAM stereo

[KV-S2913E]

Television system B/G/H, D/K

Stereo system GERMAN/NICAM stereo

Channel coverage PAL B/G VHF: E2-E12

CABLE TV (1) : \$1-\$41

CABLE TV (2) : S01-S05, M1-MD, U1-U10

ITALIA VHF: A-H2 (C) UHF: 2-69

D/K VHF: R1-R12 UHF: R21-R60

-Continued & snext page-

UHF: [2 1-E69

TRINITRON® COLOUR TV SONY

Colour system

PAL, SECAM, NTSC3.58, NTSC4.43

Picture tube Super Black Trinitron

Approx. 72 cm (29 inches)

(Approx. 68 cm picture measured

diagonally) 110°-deflection

Inputs/Outputs Terminals

[REAR]

-芯 1 21-pin Euro connector (CENELEC standard)

Inputs for audio and video signals

• inputs for RGB

• outputs of TV video and audio signals

→ 2/- 2 21-pin Euro connector

• inputs for audio and video signals

• inputs for S video

 outputs for audio and video signals (selectable)

3 4/-9 4 21-pin Euro connector

• inputs for audio and video signals

• inputs for S video

 outputs for audio and video signals (monitor out)

- 2, - 4 S video inputs

• 4 pin DIN

◆ Audio inputs (L, R) -phono jacks

➡ S video output - 4 pin DIN

Audio outputs - phono jacks

→ Audio outputs (variable) - phono jacks

External speaker terminals: 2 pin

[FRONT]

- 3 Video input-phono jack

◆ Audio input-phono jacks

- 3 S video input 4-pin DIN

∩ Headphone jack : Stereo minijack

Sound output

2×15 (RMS)

2×35 (Music)

Power consumption

145Wh (KV-S2911D) 145Wh (KV-S2911B)

145Wh (KV-S2913E) 218W (KV-S2912U)

. .

Dimensions incl.speakers

Approx.702 x 558 x540 mm

Weight

Approx. 55.0 kg

Supplied accessories

RM-832 Remote Commander (1)

IEC designation R6 batteries (2)

Other features

Digital comb filter (High

resolution)

PIP (Picture-in-picture)
Programmable commander

NICAM/GERMAN FASTTEXT

[RM-832]

Remote control system

infrared control

Power requirements

3V dc

2 batteries IEC designation

R6 (size AA)

Dimentions

Approx.65 \times 222 \times 21mm (w/h/d)

Weight

Approx.157g (Not including

Batteries)

Design and specifications are subject to change without notice.

| | KV - S2911D | KV - S2913E | KV - \$2911B | KV - S2912U |
|-------------------|-------------|-------------|--------------|-------------|
| Pal Comb | ON | ON | ON | ON |
| PiP | ON | ON | ON | ON |
| RGB Priority | ON | ON | OFF | ON |
| Woofer Box | OFF | OFF | OFF | OFF |
| Scart 1 | ON | ON | ON | ON |
| Scart 2 | ON | ON | ON | ON |
| Front In (3) | ON | ON | ON | ON |
| Scart 4 | ON | ON | ON | ON |
| Dyn. Convergerce | ON | ON | ON | ON |
| Projector | OFF | OFF | OFF | OFF |
| AKB in 16: 9 mode | ON | ON | ON | ON |
| Norm B/G | ON | ON | ON | OFF |
| Norm 1 | OFF | OFF | ON | ON |
| Norm D/K | ON | ON | ON | OFF |
| Norm AUS | OFF | OFF | OFF | OFF |
| Norm L | OFF | OFF | ON | OFF |
| Norm SAT | OFF | OFF | OFF | OFF |
| Norm M | OFF | OFF | OFF | OFF |
| Language Preset | Deutsch | Espanol | Français | English |

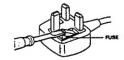
WARNING KV-S2912U only

The flexible mains lead is supplied to connected a B.S. 1363 fused plug having a fuse of 5 amp capacity. Should the fuse need to be replaced, use a 5 AMP FUSE approved by ASTA to BS 1362, ie carries the mark.

If the plug supplied with this appliance is not suitable for your socket outlets in your home, it should be cut off and an appropriate plug fitted.

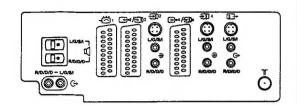
The plug severed from the mains lead must be destroyed as a plug with bared wires is dangerous if engaged in a live socket outlet.

When an alternative type of plug ist used it should be fitted with a 5 AMP FUSE, otherwise the circuit should be proected by a 5 AMP FUSE at the distribution board.



How to replate the fuse
Open the fuse compartment withthe blade screwdiver, and replace the fuse.

21 pin connector (♂1 → 2/→4)



| 7 6 5 4 3 2 |
|-------------------|
|-------------------|

| Pin No | 1 | 2 | 4 | Signal | Signal level |
|--------|---|---|---|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 0 | 0 | 0 | Audio output B (right) | Standard level: 0.5Vrms Output impedance: Less than 1kohm* |
| 2 | 0 | 0 | 0 | Audio input B (right) | Standard level: 0.5Vrms Input impedance: More than 10kohms* |
| 3 | 0 | 0 | 0 | Audio output A (left) | Standard level: 0.5Vrms Output impedance: Less than 1kohm* |
| 4 | 0 | 0 | 0 | Ground (audio) | |
| 5 | 0 | 0 | 0 | Ground (blue) | |
| 6 | 0 | 0 | 0 | Audio input A (left) | Standard level: 0.5Vrms Input impedance: More than 10kohms * |
| 7 | 0 | • | • | Blue input | 0.7 ± 3dB, 75ohms, positive |
| 8 | 0 | 0 | 0 | Function select (AV control) | High state (9.5 - 12V): Part mode Low state (0 - 2V): TV mode Input impedance: More than 10kohms Input capacitance: Less than 2nF |
| 9 | 0 | 0 | 0 | Ground (green) | |
| 10 | 0 | 0 | 0 | Open | |
| 11 | 0 | • | • | Green | Green signal: 0.7V ± 3dB, 75ohms, positive |
| 12 | 0 | 0 | 0 | Open | |
| 13 | 0 | 0 | 0 | Ground (red) | |
| 14 | 0 | 0 | 0 | Ground (blanking) | |
| | 0 | _ | - | Red input | 0.7V ± 3dB, 75ohms, positive |
| 15 | _ | 0 | 0 | (S signal) croma input | 0.3V ± 3dB, 75ohms, positive |
| 16 | 0 | • | • | Blanking input (Ys signal) | High state (1 - 3V) Low state (0 - 0.4V) Input impedance: 75ohms |
| 17 | 0 | 0 | 0 | Ground (video output | :) |
| 18 | 0 | 0 | 0 | Ground (video input) | |
| 19 | 0 | 0 | 0 | Video output | $1V \pm 3dB$, 75ohms, positive Sync: 0.3V (-3, + |
| | 0 | - | | Video input | $1V \pm 3$ dB, 75ohms, positive Sync: 0.3V (-3, + |
| 20 | - | 0 | 0 | Video Input/Y (S signal) | $1V \pm 3$ dB, 75ohms, positive Sync: 0.3V (-3, +10dB) |
| 21 | 0 | 0 | 0 | Common ground (plus | g, shield) |

O Connected • unconnected (open)

* at 20Hz - 20kHz

4 Pin connector (19)

| Pin No | Signal | Signal level |
|--------|--------------------|--------------------------------------------------------|
| 1 | Ground | |
| 2 | Ground | |
| 3 | Y (S signal) input | $1V \pm 3dB$ 75ohm, positive Sync $0.3V_{+10}^{-3} dB$ |
| 4 | C (S signal) input | 0.3V ± 3dB 75ohm, positive |



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| | | 04177011 | | | | | |
| | | CAUTION | | | | ATTENTION | _ |

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!

COMPONENTS IDENTIFIED BY SHADING AND MARK

ON THE SCHEMATIC DIAGRAMS, EXPLODED
VIEWS AND IN THE PARTS LIST ARE CRITICAL TO
SAFE OPERATION. REPLACE THESE COMPONENTS
WITH SONY PARTS WHOSE PART NUMBERS APPEAR
AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS
PUBLISHED BY SONY.

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE À SUR LES SCHÉMAS DE PRINC PE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES RIMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSEN T MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1 GENERAL

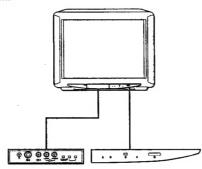
1-1. OVERVIEW

This section briefly describes the buttons and controls on the TV set and on the Remote Commander. For more information, refer

to the pages given next to each description.

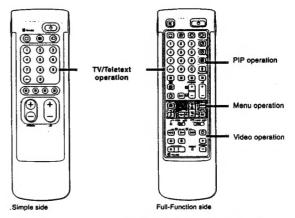
TV set-front





| Symbol | Name | Refer to page |
|----------------|--------------------------------------------|---------------|
| Φ | Main power switch | 14 |
| ð | Standby indicator | 14 |
| A-CD-B | Stereo A/B indicators | 16 |
| Ω | Headphones jack | 22 |
| €3, €3, €3, | Input jacks (S video/video/audio) | 22 |
| P→ △→ • | Function selector (Programme/volume/input) | 15 |
| -/+ | Adjustment buttons for function selector | 15 |

Remote commander RM-832



The operating instructions mentioned here are partial abstracts from

the Operating Instruction Manual. The page numbers of the

Operating Instruction Manual remein as in the manual.

Note The SAT button does not operate with this TV.

TV/Teletext operation

| Symbol | Name | Refer to page |
|-----------------------------|-------------------------------------|---------------|
| ¢. | Muting on/off button | 15 |
| එ | Standby button | 14 |
| 0, | TV power on/TV mode selector button | 14 |
| Ð | Teletext button | 15 |
| Ð | Input mode selector | 15 |
| G• | Output mode selector | 23 |
| 1,2,3,4,5,6, 7,8,9 and 0 | Number buttons | 14 |
| -/ | Double-digit entering button | 14 |
| С | Direct channel entering button | 13 |
| A+1- | Volume control button | 14 |
| PROGR+/- | Programme selectors | 14 |
| 9 6 | Teletext page access buttons | 19 |
| | Picture adjustment button | 16 |
| 1 | Sound adjustment button | 16 |
| G | On-screen display button | 15 |
| E | Teletext hold button | 19 |
| 8 | Time display button | 15 |
| 7724 | Fastext buttons | 19 |

PIP (Picture-in-Picture) operation

| Symbol | Name | Refer to page |
|----------|------------------------------|---------------|
| 0 | PIP on/off button | 18 |
| 1 | PIP source selector | 18 |
| Ø | Swap button | 18 |
| © | PIP position changing button | 18 |

Menu operation

| Symbol | Name | Refer to page |
|--------|------------------------|---------------|
| MENU | Menu on/off button | 8 |
| ∆+/V- | Select buttons | 8 |
| OK | OK (confirming) button | 8 |
| + | Back button | 8 |

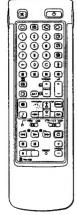
Video operation

| 11000 op | 1000 oporation | | | | |
|----------------------|-----------------------------------|---------------|--|--|--|
| Symbol | Name | Refer to page | | | |
| MEM USE | MEM/USE switch | 25 | | | |
| MEM | MEM Indicator | 25 | | | |
| VTR 1/2/3, MDP | Video equipment selector | 25 | | | |
| ■II ● む PROGR +/- | Video equipment operation buttons | 25 | | | |
| RESET | RESET button | 25 | | | |

S

1-2. STEP 3 - TUNING IN TO TV STATIONS





Once you have set up the TV, you can choose the language of the menu. Then you should preset the channels (up to 100 channels) by choosing either the automatic or manual method.

The automatic method is easier if you want to preset all receivable channels at once. Use the manual method if you only have a few channels and want to preset channels one by one. The manual method is also convenient for allocating programme numbers to various video input sources.

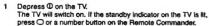




Before vou begin

- Check that the Full-Function side of the Remote Commander is
- Locate Menu operation buttons on the Remote Commander. They are shaded in the illustration at the left.

Display the Menu



Press the MENU button. The main menu appears, (See Fig. 1.)





Φ

To go back to main

menu Keep pressing ← To go back to the

normal TV picture Press MENU.

Note on the DEMO

If you choose »Demo» on the main

menu, you can see a sequential demonstration on the menu

Choose a language

Select *Language* with the Δ + or ∇ - button and press the OK

The LANGUAGE menu appears. (See Fig. 2.)

2 Select the language you want with Δ + or ∇ – and press OK,

Now, choose one of the following methods »Preset Channels Automatically«

»Preset Channels Manually«,







Fig. 2.

With this method, you can preset all receivable channels at

To stop automatic channel presetting Press - on the Remote Commander

Notes

- · After presetting the channels automatically, you can check which channels are stored on which programme positions. For details, see -Using the Programme Table- on page 16.
- · You can exchange the programme positions to have them appear on screen in the order you like. For details, see =Exchanging the Programme Posi-tions= on page 10.

Use this method if there are only a few channels in your area to preset or if you want to preset channels one by one. You may also allocate programme numbers to various video input

If you have made a mistake
Press — to go back to the previous position. To go back to main Keep pressing ←.
To go back to the normal TV picture Press MENU.

sources.

Preset channels automatically

- Select »Preset« with ∆ + or V and press OK. The PRESET menu appears. (See Fig. 3.) Select »Auto Programme» with Δ + or ∇ – and press OK. The AUTO PROGRAMME menu appears. (See Fig. 4.)
- 3 Press OK repeatedly until the first element of the »PROG« number is highlighted.
- 4 Select the programme (number button) from which you want to start presetting. Select the first element of the double-digit number with Δ + or ∇ – or the number buttons (e.g. For =04=, select . »0« here) and press OK.
 - The second element of *PROG* will be highlighted.
- 5 Select the second element of the double-digit number with Δ + or ∇ - or the number buttons (e.g. For =04*, select =4= here) (See Fig. 5.) and press OK.
- 6 Press OK. The automatic channel presetting starts.

When presetting is finished, the preset menu reappears. All available channels are now stored on successive number



Fig. 3.





Preset channels manually

- Select *Preset* with \triangle + or ∇ and press OK. The PRESET menu appears. (See Fig. 6.)
- 2 Select »Manual Programme Preset« with △ + or ∇ and prese The MANUAL PROGRAMME PRESET menu appears. (See Fig. 7.)

Select ISS and press OK

Fig. 6.

| PROG | 8Y8 | OH I | EARC | I LABEL | AF |
|------|-----|------|------|---------|-----|
| -1 | 1 | CCI | 1 06 | | for |
| 5 | 1 | C34 | 1 08 | | ion |
| 3 | 1 | C33 | i of | | fee |
| 4 | 1 | C4S | i et | | ine |
| 8 | 1 | COS | 1 40 | | - |
| | î . | CAS | | | |
| 7 | î . | C34 | ; = | | |
| | i | COR | 1 = | | |
| | i | 77 | 1 = | | - |
| 10 | 1 | C38 |) = | | |

PRESET WAY TO STORE TO VALUE OF GAT BOX

Fig. 7.

6

To tune in a channel by frequency After selecting F in step 5, enter three digits using the num-ber buttons.

If you have made a

back to the previous

menu Keep pressing ←

To go back to the normal TV picture Press MENU.

mistake

position. To go back to main

Press ← to go

3 Using △ + or ∇ ~, select the programme position (number button) to which you want to preset a channel, and press OK.

4 Select if necessary, a video input source (EXT) with Δ + or ∇ −. Then press OK. The CH position will be highlighted. (See Fig. 8.)

5 Using Δ + or ∇ -, select C (to preset a regular channel) or F (to tune in by frequency) and press OK. The first element of the »CH« number will be highlighted. If you have selected EXT in step 4, select the video input source with \triangle + or ∇ -. (See Fig. 9.)

There are two ways to preset channels, if you know the channel number, go to step »6-Manual»,

if you don't know the channel number, go to step »6-Search».

6 Manual

- -a Select the first element of the »CH» number with Δ + or ∇ or the number buttons and press OK. The second element of the »CH« number will be highlighted.
- -b Select the second element of the number with Δ + or ∇ or the number buttons The selected number appears. (See Fig. 10.)
- The «SEARCH» position is highlighted and the selected channel is now stored. (See Fig. 11.)
- -d Press OK until the cursor appears by the next programme
- -e Repeat steps 3 to 6 to preset other channels.

6 Search

- -a Press OK repeatedly until the colour of the SEARCH position changes.
- -b Start searching for the channel with Δ + (up) or ∇ (down). The CH position changes colour. (See Fig. 12.) The CH number starts counting up or downwards. When a channel is found, it stops. (See Fig. 13.)
- -c Press OK if you want to store this channel. If not, press Δ + or ∇ – to continue channel searching.
- -d Press OK until the cursor appears by the next programme
- · Repeat steps 3 to 6 to preset other channels.

C35 (eff) 21 Fig. 10.

IES1 (eit) ----- (on)

2 1 C25 (off) ----- (on) Fig. 11.

3 STET AVI

Flg. 9.

C35 (ed) ----- (en)

2 1 C50 (AT) (en) Fla. 13.

To go back to the normal TV picture Press MENU.

back to the previous

To go back to main

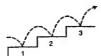
Keep pressing ←.

mistake

position.

10

1-3. ADDITIONAL PRESETTING FUNCTIONS



This section shows you additional presetting functions such as exchanging or skipping programme positions, captioning a station name, manual line-tuning, and using the parental lock.

Before you begin

- Check that the Full Function side of the Remote Commander is
- Locate the Menu operation buttons.

PROGRAMME EXCHANGE ...

0000

0000

000**0** 000**0**

0 0 0 0 0 0 0 0 0 0 0 0 0

@'G'@@

20-8

1

Exchanging Programme Positions

With this function, you can exchange the programme positions to a preferable order.

- Press MENU to display the main menu.
- Select "Preset" with Δ + or ∇ and press OK. The PRESET menu appears.
- Select *Programme Exchange* with Δ + or ∇ and press OK. The PROGRAMME EXCHANGE menu appears. (See Fig. 14.)
- Using Δ + or ∇ -, select the programme position you want to exchange with another and press OK. The colour of the selected position changes, (See Fig. 15.)
- 5 Using ∆ + or ∇ -, select the programme position to be exchanged and press OK. Now the two programme positions have been exchanged. (See Fig. 16.)
- 5 Repeat steps 4 and 5 to exchange other programme positions.



Fig. 14.



Fig. 15.



Flg. 16.

For programme positions beyond 15 The display scolls

You can tune in a channel temporarily, even when it has not been preset. Use the buttons on the Full-Function side of the Remote If you have made a Commander. Press ← to go

Press C on the Remote Commander. The indication »C= appears on the screen.

2 Enter the double-digit channel number using the number buttons (e.g. for channel 4, first press 0, then 4). The channel appears. However, the channel will not be stored

Tuning in a Channel Temporarily



MANUAL PROGRAMME. PRESET

Skipping Programme Positions

You can skip unused programme positions when selecting programmes with the PROGR +/- buttons. However, the skipped programmes may still be called up when you use the number

- 1 Press MENU to display the main menu.
- Select »Preset« with Δ + or ∇ and press OK. The PRESET menu appears.
- Select »Manual Programme Preset» with Δ + or ∇ and press The MANUAL PROGRAMME PRESET menu appears.
- (See Fig. 17.)
- Using Δ + or ∇ , select the programme position which you want to skip and press OK. The »SYS« position changes colour.
- Press \triangle + or ∇ until » - * appears in the SYSTEM position.
- Press OK. (See Fig. 19.) When you select programmes using the PROGR +/- buttons, the programme position will be skipped.
- 7 Repeat steps 4 to 6 to skip other programme positions.



Fig. 17.

PROGR

F 3 ;--Fig. 19.

MANUAL PROGRAMME PRESET.

If you have made a

back to the previous

To go back to main

Keep pressing ←.

To go back to the

normal TV picture Press MENU.

Press ← to go

Captioning a Station Name

You can *name* a channel or an input video source using up to five characters (letters or numbers) to be displayed on the TV screen (e.g. BBC1). Using this function, you can easily identity which channel or video source you are watching.

- 1 Press MENU to display the main menu.
- Select »Preset« with Δ + or ∇ and press OK. The PRESET menu appears.
- Select »Manual Programme Preset« with △ + or ▽ and press The MANUAL PROGRAMME PRESET menu appears. (See Fig. 20.)
- 4 Using ∆ + or ∇ --, select the programme position you want to caption and press OK repeatedly until the first element of the LABEL position is highlighted.
- 5 Select a letter or number with Δ + or ∇ and press OK. The next element will be highlighted. Select other characters in the same way. If you want to leave an element blank, select - and press OK. (See Fig. 22.)
- 6 After selecting all the characters, preas OK repeatedly until the cursor appears by the next programme position (at the left margin). Now the caption you chose is stored. (See Fig. 21.)
- 7 Repeat steps 5 and 6 to caption names for other channels.



Flg. 20.

2 1 C25 (eff) S --- (en) Flg. 21.

2 I G25 (ell) \$0HY- (en) Fig. 22.

MANUAL PROGRAMME PRESET ---

| PROG | 375 | CH SEARCH | LABEL | AF |
|------|-----|-------------|-------|------|
| D-1 | | C21 of 1 | ***** | ian |
| | 1 | C24 all 1 | ***** | ine |
| 3 | | C25 (of) | ***** | ion |
| 4 | | C27 i of i | ***** | ine |
| 5 | 1 | C28 (of 1 | ***** | dan |
| | | C22 (eff) | ***** | (max |
| 7 | | C28 (of) | ***** | ien |
| | 1 | C25 (off) | ***** | Case |
| | | C23 (of) | ***** | lan |
| 10 | | C28 (of) | ***** | in |

Fig. 18.

PARENTAL LOCK

To reactivate AFT

Repeat from the

(automatic fine tun-

beginning and select

Parental Lock

You can prevent undesirable broadcasts from appearing on the screen. We suggest you use this function to prevent children from watching programmes which you consider unsuitable.

- 1 Press MENU to display the main menu.
- 2 Select "Preset" with Δ + or ∇ and press OK. The PRESET menu appears.

Manual Fine-Tuning

2 Select = Preset = with Δ + or ∇ - and press OK.

ges from - 15 to + 15. (See Fig. 24.)

7 Repeat steps 4 to 6 to fine-tune other channels.

6 After fine tuning, press OK.

The PRESET menu appears.

(See Fig. 23.)

tuning function to obtain better picture reception. Press MENU to display the main menu.

Normally, the AFT (automatic fine-tuning) is already operating.

3 Select »Manual Programme Preset» with Δ + or ∇ – and press

4 Using Δ + or ∇ – , select the programme position corresponding

to the channel which you want to manually fine-tune, and press

reception. As you press the cursor buttons, the frequency chan-

The cursor appears beside the next programme position (at the

left margin). (See Fig. 25.) Now the fine-tuned level is stored.

5 Fine-tune the channel with △ + or ∇ -- so that you get the best TV

The MANUAL PROGRAMME PRESET menu appears.

OK repeatedly until the AFT position changes colour.

However, if the picture is distorted, you can use the manual fine

- Select »Parental Lock» with \triangle + or ∇ and press OK. The PARENTAL LOCK menu appears. (See Fig. 26.)
- Using \triangle + or ∇ -, select the programme position you want to block and press OK. The selected PROG number, CH and LABEL change colour indicating that this programme is now blocked. (See Fig. 27.)
- 5 Repeat step 4 to block other programme positions.

Cancelling blocking

- On the PARENTAL LOCK menu, select the programme position you want to unblock with $\Delta + \text{ or } \nabla$ -.
- 2 Press OK, The selected PROG number, CH and LABEL change colour to normal colour indicating that the blocking has been cancelled.



Fig. 24.

| _ | | | _ | | |
|----------|---|-----|------|-------|------|
| <u>.</u> | 1 | C24 | (08) | ***** | (-3) |
| -1- | - | | | | |

| P-3 ! G25 (00) (an) | -1 | C24 C25 | (047) | ***** | (-5) (ex) |
|---------------------|----|------------|-------|-------|--------------|
|---------------------|----|------------|-------|-------|--------------|



Fig. 26.

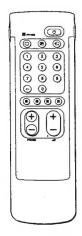
| PROG | CH | LABEL | PROG | CH | LABEL |
|------|-----|-------|------|----|-------|
| | AV1 | VHS. | | | |
| 1 | CZS | BAC2 | | | |
| | C42 | BBCS | | | |
| 3 | C26 | CA | | | |

Fig. 27.

If you try to select a programme that has been blocked The message »LOCKED» appears on the blank TV screen.

operation Instructions

1-4. WATCHING THE TV



9

If no picture appears when you depress O and if the standby indicator on the TV is lit, the TV is in standby mode. Press O or one of the number buttons to switch

This section explains the basic functions you use while watching TV. Most of the operations can be done using the simple side of the Remote Commander.

Switching the TV on and off

Switching on

Depress @ on the TV.

Switching off temporarily

Press & on the Remote Commander. The TV enters standby mode and the standby indicator on the front of the TV lights up. To switch on again

Press O, PROGR +/-, or one of the number buttons on the

Switching off completely

Depress @ on the TV.

Selecting TV Programmes

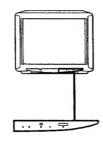
Press PROGR +/- or press number buttons.

To select a double-digit number

Press -/--, then the numbers. For example, if you want to choose 23, press -/--, 2 and 3.

Adjusting the Volume

Press 4+/-.



Operating the TV Using the Buttons on the TV

With the buttons on the TV, you can select programmes, adjust the volume, and select video input sources.

- Press P→⊿→ ⊕ button repeatedly until the programme number, △ (for volume), or ⊕ (for video input picture) appears. Then adjust with the -/+ buttons.
- Press -/+ buttons to switch on the TV from the standby mode.
- Press -/+ simultaneously to reset picture and sound controls to the factory preset level (RESET function).

Watching Teletext or Video Input

Watching teletext

- Press @ to view the teletext.
- Press three number buttons to select a page.

 Press one of the coloured buttons for fastext operation.
- Press @ (PAGE +) or @ (PAGE -) for the next or preceeding
- To go back to the normal TV picture, press C.

Watching a video input picture

Press ⊕ repeatedly until the desired video input appears. To go back to the normal TV picture, press □.

More Convenient Functions

Use the Full-Function side of the Remote Commander.

Displaying the on screen indications

Press @ once to display all the indications. They will disappear after some seconds.

Press @ twice to have the programme number and label stay on screen. Press twice again to make indications disappear.

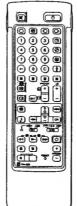
Muting the sound

To resume normal sound, press & again,

Displaying the time

Press . This function is available only when teletext is broad-

To make the time display disappear, press @ again.

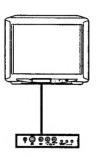


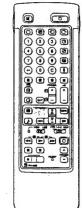
For details of the tele-

text operation, refer to page 18.

For details of the .

video input picture, refer to page 22,





If you have made a mistake back to the previous

5

To go back to the main menu Keep pressing ←

To go back to the normal TV picture Press MENU.

Note: HUE is only available for NTSC colour sys-tem and RESOLU-TION does not work for SECAM colour

Note on LINE OUT The audio level and the dual sound mode lack on the rear correspond to the Head-phone VOLUME and DUAL SOUND set-

When watching video input proture You can selec: SOUND to chi

Adjusting the Picture and Sound

Although the picture and sound are adjusted at the factory, you can adjust them to suit your own taste. In addition, you can change the aspect ratio of the TV display for wide screen effect. or set the resolution to obtain a higher quality picture. You can also select dual sound (bilingual) programmes when available or adjust the sound for listening with the headphones.

Press (for picture) or J (for sound) on the Remote Comman-

Press MENU and select »Picture Control» or »Sound Control», then press OK. The PICTURE CONTROL or SOUND CONTROL menu

appears. (See Fig. 28 or Fig. 29.) Using Δ + or ∇ -, select the item you want to adjust and press

- OK. The selected item changes colour. (See Fig. 30.) Adjust the setting with Δ + or ∇ -- and press OK.
- The cursor appears beside the next item (at the left margin). (See Fig. 31.) For the effect of each control, see the table below.
- 4 Repeat steps 2 and 3 to adjust other items.



Fig. 28.



Fig. 29.

| Brightness | |
|-------------------------|---|
| Flg. 30. | |
| Brightnesa In Colour | |
| Fig. 31. | - |

Effect of each control

| PICTURE CONTROL | Effect | |
|-----------------|------------------|---------------------------------------|
| Contrast | Less | More |
| Brightness | Darker | — Brighter |
| Colour | Less | More |
| Hue | Greenish | Reddish |
| Sharpness | Softer | - Sharper |
| Reset | Resets picture t | o the factory preset levels |
| Format | 4:3: Normal | 16: 9: Wide screen effect |
| Resolution | Normal | high: Obtain a higher quality picture |
| SOUND CONTROL | Effect | |

| Resolution | Normal | high: Obtain a higher quality picture |
|---------------|-------------------|------------------------------------------------|
| SOUND CONTROL | Effect | |
| Volume | Less — More | |
| Trable | Less More | |
| Bass | Less More | |
| Balance | Nore left N | fore right |
| Reset | Resets sound to t | he factory preset levels |
| Loudness | off: Normal | on: When listening to low volume sound |
| Space | off: Normal | on: Obtain acoustic sound effect |
| Dual Sound | A: left channel | B: right channel stereo mono |
| | The selected mod | le of The A-CO-B indicator on the TV lights up |
| | | casts see next page) |
| Headphones | | |
| Volume | Less More | |
| Dual Sound | A: left channel | B: right channel stereo mono |

Selecting Nicam Broadcasts*

This Sony TV has been designed to select Nicam broadcasts when available. Whenever a Nicam broadcast is received, »NICAM« appears briefly on the screen. When the Nicam programme ends, or you switch channels to one without Nicam, the A-CD-B indicators, on the TV will switch off. Nicam programmes can be broadcast in two ways. You may select the sound you want to hear in either of these by first following the instructions explained on page 16.

| Service Being Broadcast | Action | Effect | Indicat | |
|----------------------------|--------------------------|--------------------------------------------|---------|-------------|
| Stereo | Press | Stereo Nicam (Mono 2-Channel) | * | * |
| | Δ + or ∇ – | mono | | |
| Press ∆ + or ∇ – ag | pain to return to stered | Nicam (mono 2-channel) | | |
| Bilingual | press ∆ + or ∇- | Channel A Nicam Channel B Nicam mono | *00 | □ ₩□ |

^{*} Depending on availability of service.

PROGRAMME

To select a pro-gramme using this menu Select the programme number with $\Delta + \text{ or } \nabla$ - and press OK. The selected programme appears.



To go back to the normal TV picture Press MENU.

To switch off the Select »OFF« in

To check the remaining time Press 3

Using the Programme Table

On this table, you can see which channel is preset to which programme position. You can also select programmes using this

From the main menu, select »Programme Table» with Δ + or ∇ ~ and press OK.

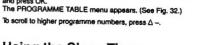




Fig. 32.

Using the Sleep Timer

You can select a time period after which the TV automatically switches into standby mode.

- 1 From the main menu, select "Timer" with Δ + or ∇ and press The TIMER menu appears. (See Fig. 33.)
- 2 Press OK.
- The time period option changes colour. Select the time period with Δ + or ∇ -. The time period (in minutes) changes as follows: 10 → 20 → 30 → 40 → 50 → 60 → 70 → 80 → 90 OFF.
- After selecting the time period, press OK. The cursor moves back to the left margin and the timer starts counting. One minute before the TV switches into standby mode, a message is displayed on the screen.

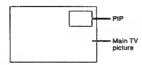


Fig. 33.

1-6. PIP (PICTURE-IN-PICTURE)



Note RGB input source cannot be displayed in PIP With this function you can display a »PIP screen« (small picture) within the main TV picture. In this way you can watch or monitor the video output from any connected equipment (for example from a VTR) while watching TV or vice versa. For information about connection of other equipment, refer to page 21.



Switching PIP on and off

Press (%)

The PIP screen will be displayed. The PIP picture will come from the source chosen when the TV was last used.

To switch PIP off

Selecting a PIP source

The symbol I will be displayed at the bottom, left-hand corner of the screen.

Press @ repeatedly until the desired source is indicated (e.g. TV, AV 1, AV 2, YC2, AV 3, YC3, AV 4, YC 4).

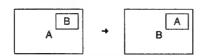
Note

If no video source has been connected, the PIP picture will be noisy.

Swapping screens

Press (2):

The main screen will switch the picture with the PIP screen.



If a TV programme is on the PIP screen and a video source on the main picture, and you want to change channels, first press I and then the programme buttons or PROGR +/-.

Changing the position of the PIP

Press @ repeatedly in change the position of the PIP screen within the main screen. There are four different positions availlable.



1-7. TELETEXT



Note Teletext errors may occur if the broadcasting signals are weak

With the simple side of the Remote Commander You can switch teletext on and off, operate Fastext, and directly select page numbers.

Note Fastext operation is only possible, if the TV station broadcasts

18

TV stations broadcast an information service called Teletext via the TV channels. Teletext service allows you to receive various information pages such as weather reports or news iil any time you want. For advanced teletext operation, use the buttons on the Full-Function side of the Remote Commander.

Direct Access Functions

Switching Teletext on and off

- 1 Select the TV channel which carries the teletext broadcast you want to watch.
- 2 Press 1 to switch on teletext.

A teletext page will be displayed (usually the index page).

If there is no teletext broadcast, "No text available " is displayed." on the information line of the screen.

To switch teletext off Press O.

Selecting a teletext page

With direct page selection Use the number buttons to input the three digits of the chosen

page number. If you have made a mistake, type in any three digits. Then re-enter the correct page number.

- With page-catching
 Select a teletext page with a page overview (e.g. index page).
- 2 Press @ twice. *Page catching * will be displayed on the information line. The tast digit if the first displayed page number fla-
- 3 Using ∆ + o ∇ -, select the desired page and press OK. The requested page will appear in a few seconds.

Accessing next or preceding page Press ⊞ (PAGE +) or ⊞ (PAGE -). The next or preceding page appears.

Superimposing the teletext display on the TV programme

- Press @ once in teletext mode or twice in TV mode.
- Press @ again to resume normal teletext reception.

Preventing a teletext page from being updated

- Press @ (HOLD). The HOLD symbol = @ displayed on the information line.

 Press ® to resume normal teletext reception.

Using Fastext

With Fastext you can access pages with one key stroke.
When a Fastext page is broadcast, a colour-coded menu will appear at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue buttons on the Remote Commander.

Press the corresponding coloured button on the Remote Commander which corresponds to the colour-coded menu. The page will be displayed after some seconds.



Note Some of the features depending on the Teletext service.

Using the Teletext Menu

This TV in provided with a menu-guided teletext system. When teletext is switched in, you can use the menu buttons to operate the teletext menu. Select the teletext menu functions in the following way:

- Press MENU. The menu will be superimposed on the teletext display. (See Fig. 34.)
- 2 Using Δ + o ∇ -, select the teletext function you want and press OK. (See Fig. 35.)

USER PAGES/PRESET USER PAGES

See page 20 for information about presetting and operating the user pages.

The index will give you an overview of the contents of the teletext and the page numbers.

TOP/BOTTOM/FULL

For convenient reading of a teletext page, you can enlarge the teletext display. After having selected the function, an information line TOP/BOTTOM/FULL will be displayed. (See Fig. 36.)

Press Δ + for »Top« to enlarge the upper half, ∇ – for »Bottom« to enlarge the lower one and OK for »Full» to resume the normal

Press @ to resume normal teletext reception.

TEXT CLEAR

After having selected the function, you can watch a TV programme while waiting for a teletext page to be displayed. (See Fig. 37.)

Press ® to resume normal teletext mode.

Sometimes pages contain concealed information, such as answers to a quiz. The reveal option lets you disclose the information. After having selected the function, an information line »REVEAL ON/OFF« will be displayed. (See Fig. 38.)

Using Δ + or ∇ –, select ON to reveal the information or OFF to conceal it again.

Press @ to resume normal teletext reception.



To cancel the

press OK.

request Select =OFF= for the

If two broadcasting

stations use the same Teletext

bank to 2 different

programme positions.

SUBPAGE setting and



Flg. 35.





Flg. 37.



Flg. 38.

SUBPAGE

You may want to select a particular teletext page from several subpages which are rotated automatically. If you want to select one subpage, follow the operations below:

- Using Δ + or ∇ -, select ON for the SUBPAGE setting and press
- 2 To select the desired subpage, enter four digits using PROGR +/- or the number buttons. (e.g. enter 0002 for the second page of a sequence).

User Page Bank System

You can store up to 30 pages in the »Teletext page bank system«. In this way you have quick access to the pages you watch

Storing pages

There are 5 -banks- (A to E) for 5 teletext stations, in each bank you can store 6 preferred pages (1P to 6P).

- Press @ (if Teletext is not on already) and MENU to show the TELETEXT MENU display.
- 2 Select PRESET USER PAGES with Δ + or ∇ and press OK.
- 3 Select the desired bank with Δ + or ∇ -- and press OK. The cursor will go to the first position (P1) of the preferred pages. Input the three digits of your first preferred page with the number
- buttons and press OK. The cursor will go to the second position.
- 5 Repeat step 4 for the other 5 page numbers you want to preset. If you do not want to preset all 6 page numbers available, press OK without inserting any number.
- 6 Select »Allocate Bank« with ∆ + or ∇ and press OK.
- 7 Select the programme position for which you have preset pages with \triangle + or ∇ – and press OK. (See Fig. 39).
- 8 Select the desired bank with △ + or ∇ -- (Banks A to E are avail-
- 9 Repeat steps 3 to 8 for the other 4 banks available.

Displaying User Pages

- 1 Select MENU,
- 2 Select »USER PAGES« with Δ + or ∇ and press OK. A table of the stored preferred pages will be displayed. (See Fig. 40.)
- Select the desired page with $\Delta + n \nabla$ and press OK. The page will be displayed after some seconds.

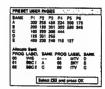


Fig. 39.



Fig. 40.

To connect a VTR

using the Tr terminal

If the picture or the sound is distorted Move the VTR away from the TV.

on page 9.

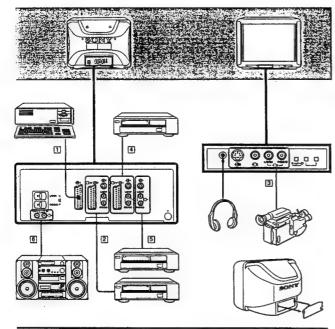
Note: After having con-nected all optional equipment to the TV. cover onto the rear panel (See illustration

S video Input (Y/C input) Video signais may be separated into Y (luminance or brightness) and C (chrominance) signals. Separating the Y and C signals prevents them from interfering with one another, and the refore improves pigture quality (espe-cially luminance). This TV is equipped with 3 S Video input jacks throught which these separated signals can be input directly.

When connecting a monaural VTR
Connect only the
white Θ jack to both
the TV and VTR.

Connecting Optional Equipment

You can connect optional audio-video equipment to this TV such as VTRs, video disc players, and stereo systems.



| Acceptable input signal | Available output signal |
|-----------------------------------------|--------------------------------------------------------------|
| Normal audio/video and RGB signal | Video/audio from TV tuner |
| 2 Normal audio/video and S video signal | Video/audio from selected source |
| 3 Normal audio/video and S video signal | No outputs |
| 4 Normal audio/video and S video signal | Video/audio displayed on TV screen (monitor out) |
| [5] No inputs | S video/audio signal displayed on TV screen (monitor out) |
| 6 No inputs | Audio signal (variable) |

Selecting input with PROGR +/- or number buttons You can preset video input sources to the programme positions so that you can select them with PROGR +/- or number buttons. For details, see -Preset channels manually« on page 9.



Selecting input and output

This section explains how to view the video input picture (of the video source connected to your TV), and how to select the output signal using direct access buttons or the menu system.

Selecting input

Press Trepeatedly to select the input source. The symbol of the selected input source will appear.

To go back to the normal TV picture Press C.

Input'modes

| Symbol | Input signal |
|-------------|--------------------------------------------------------------------------|
| 1 | Audio/video input through the -6 1 connector |
| -Ö | RGB input through the -8 1 connector |
| ⊕ 2 | Audio/video input through the @ 2/@ 2 connector |
| 19 2 | S video input through the @ 2/ @ 2 or @ 2 connector |
| 193 | Audio/video input through ⊕ 3 and ⊕ on the front |
| @ 3 | S video input through the @ 3 connectors on the frontv (4-pin connector) |
| ⊕ 4. | Audio/video input through the @ 4/@ 4 connector |
| €14 | S video input through the @ 4/@ 4 or @ 4 connector (4-pin connector) |

1

10

You can also select the input mode using the $P \rightarrow \triangle \rightarrow \bigoplus$ and -/+ buttons on the TV. In this case, first select ⊕, and then press -/+ buttons

Selecting the output

The @ 2/@ 2 connector outputs the source input from the other connectors.

Press @ repeatedly to select the output. The symbol of the selected output source appears.

Output modes

to select the input.

| Symbol | G- 2/- 2 connector outputs |
|-----------------|--------------------------------------------------------|
| 10- | The audio/video signal from the -8 1 connector |
| 2 G• | The audio/video signal from the @- 2/@ 2 connector |
| 26 | The audio/S video signal from the G+ 2/ G connector |
| 3 ᠿ• | The audio/video signal from the ⊕ 3 e ⊕ 3 connectors |
| 3 @- | The audio/S video signal from the ⊕ 3 e ⊕ 3 connectors |
| 4G+ | The audio/video signal from the 3-4/-34 connector |
| 4 D- | The audio/S video signal from the @ 4/@ 4 connector |
| TV C+ | The audio/video signal from the T aerial terminal |

You can display the menu to see which input sources are selected for the TV screen and PIP screen, and which output source is selected. You can also select them on the menu display.

- 1 Select "Video Connection" with ∆ + o ∇ and press OK. The VIDEO CONNECTION menu appears. (See Fig. 41). You can see which source is selected for the TV and PIP input, and for the output. If you want to select the input and output on this menu, go on to the next step.
- 2 Select TV screen (input source for the TV screen), PIP (input source for the PIP screen), or Output (output source) with Δ + or ∇ and press OK. One of the source items changes colour. (See Fig. 42.)
- 3 Select the desired source with △ + o ∇ -. (See Fig. 43.) For details about each source, see the table on page 22.
- 4 Press OK. The selected source is confirmed, and the cursor appears. (See Fig. 44.)
- 5 Repeat steps 2 to 4 to select the source for other inputs or outputs.



Fig. 41.



M/2 VHS 2 YC2 CAM 2 M/3 BETA YC3 VHS 3 PET

Flg. 43.

| | | TV screen; |
|-------|-------------|------------|
| ŦΨ | 88C1 F | TV screen: |
| mrs . | VHS 1 | VH6 2 |
| ROR | COMPU | |
| AV2 | AH2 5 | PW: |
| ACS | S MAD | BBC1 |
| AV3 | BETA | [BBC1 |
| YC3 | VH6 3 | |
| JW4 | | |
| YC4 | CAM 1 | Ovent 88C1 |

Fig. 44.

Remote Control of Other Equipment

You can use the TV Remote Commander to control other remote-controlled equipment. The buttons for video operation have been factory-set to control most of Sony video equipment, such as: Beta, 8mm or VHS VTRs or video disc players.

Additionally you can programme these buttons to specify the purity and a control of the purity of the puri

Additionally you can programme these buttons to control also audio and video equipment of other manufacturers.

Tuning the Remote Commander to Sony equipment

1 Set the VTR 1/2/3 MDP selector according to the equipment you want to control:

VTR 1: Beta or ED Beta VTR

VTR 2: 8mm VTR

0000

0000

0 0 0 0

000 000 000

6.00

When recording When you use the ● (record) button, make

sure to press this button and the one to the

right of it simulta

 Do not move the Remote Commanders

during programming.

• After programming, check to see if all

be the case, that a function cannot be

programmed.

When you want to

video equipment Make sure that the VTR 1/2/3 MDP

selector is set to the

ing programming.

• When you replace the

Remote Commander batteries, the programmed functions

remain stored for 30

tery.

When the memory of the programmable Remote Commander

is full, the MEM indicator lights up.

position you used dur-

the programmed functions work. It may

operate the audio or

VTR 3: VHS VTR

MDP: Video disc player

2 Use the buttons indicated in the illustration to operate the additional equipment. If your video equipment is furnished with a COMMAND MODE selector set this selector to the same position as the VTR 1/2/3 MDP selector on the TV Remote Commander. If the equipment does not have a certain function, the corresponding button on the Remote Commander will not operate.

Tuning the Remote Commander to audio or video equipment of other manufacturers

Your TV Remote Commander is a programmable Remote Commander. This means that you can programme the buttons indicated in the illustration with functions of other Remote Commanders. A function can be stored on any of the buttons and on all four levels of the VTR 1/2/3 MDP selector.

Programming a function

- 1 Set the MEM/USE switch to MEM (memorize).
- 2 Set the VTR 1/2/3 MDP selector to the desired position.
- 3 Position the two Commanders head to head (see illustration).
- 4 First press the button on the TV Remote Commander onto which you want to programme a function. Now the MEM indicator on the Remote Commander lights up.
- 5 Then press the button on the other Remote Commander, the function of which you want to programme. As soon as the MEM indicator goes out, the function is stored.
- 6 Repeat steps 4 and 5 for all other functions you want to programme. When you have programmed till buttons on one level of the VTR 1/2/3 MOP selector, select another level.
- 7 When you have finished programming, set the MEM/USE switch to USE.

Clearing programmed functions

- 1 Set the MEM/USE switch to MEM.
- 2 Set the VTR 1/2/3 selector to the level of functions you want to clear.
- 3 Press any of the programmable buttons. Now the MEM indicator lights up.
- 4 Keep the RESET button pressed, using the tip of a pen, until the MEM indicator has flashed four times. Now all programmed functions on this level are cleared.
- 5 Reset the MEM/USE switch to USE.

23

1-9. FOR YOUR INFORMATION

Troubleshooting

Here are some simple solutions to problems which may affect the picture and sound.

| Problem | Solution | | | |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| No picture (screen is dark), no sound | Plug the TV in. Press O on the TV. (If O indicator is on, press O or a programme number on the Remote Commander.) Check the aerial connection. Check if the selected video source is on. Turn the TV off for 3 or 4 seconds and then turn II on again using Φ. | | | |
| Poor or no picture (screen is dark), but good sound | Press | | | |
| Good picture but no sound | Press ∠ +. I ≪ is displayed on the screen, press ≪. | | | |
| No colour for colour programmes | Press to enter the PICTURE CONTROL menu, select "Reset", then press OK. | | | |
| Remote Commander does not function | The batteries are weak. Set the MEM/USE switch to USE. | | | |
| | Set the MEM/USE SWICH to USE. | | | |

If you continue to have problems, have your TV serviced by qualified personnel. Never open the casing yourself.

Television Channel Number Guide

Only the main transmitters are listed. Information regarding the regional sub-relay channel numbers can be obtained by contacting
The BBC Engineering Information Dept. (081) 752 5040.

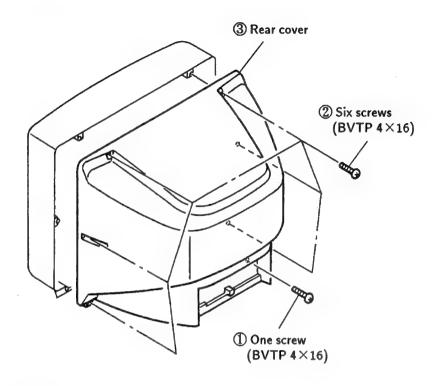
| MAIN TRANSMITTERS | BBC1 | BBC2 | ITV | CH4 | |
|---------------------------|----------|----------|----------|----------|--|
| London & South East | | | 40 | | |
| Bluebell Hill | 40 | 46 | 43 | 65 | |
| Crystal Palace | 26 | 33 | 23 66 | 30 53 | |
| Dover | 50 | 56 52 | 64 | 67 | |
| Heathfield | 49 57 | 63 | 60 | 53 | |
| Oxford | 3/ | 03 | 00 | 33 | |
| South-West Beacon Hill | 57 | 63 | 60 | 53 | |
| Caradon Hill | 22 | 28 | 25 | 32 | |
| Huntshaw Cross | 55 | 62 | 59 | 65 | |
| Redruth | 51 | 44 | 41 | 47 | |
| Stockland Hill | 33 | 26 | 23 | 29 | |
| Channel Islands | • | | | | |
| Fremont Point | 51 | 44 | 41 | 47 | |
| South | | • | | | |
| Hannington | 39 | 45 | 42 | 66 | |
| Midhurst | 61 | 55 | 58 | 68 | |
| Rowridge | 31 | 24 | 27 | 21 | |
| West | | | | | |
| Mendip | 58 | 84 | 61 | 54 | |
| East | | | | | |
| Sandy Heath | 31 | 27 | 24 | 21 | |
| Sudbury | 51 | 44 | 41 | 47 | |
| Tacoineston | 62 | 55 | 59 | 65 | |
| Midlands | | | | | |
| Ridge Hill | 22 | 28 | 25 | 32 | |
| Sutton Coldfield | 46 | 40 | 43 | 50 | |
| The Wrekin | 26 | 33 | 23 | 29 | |
| Wakham | 56 | 64 | 61 | 54 | |
| Northern Ireland | 00 | 28 | 25 | 32 | |
| Brougher Mountain | 22 31 | 26 27 | 24 | 21 | |
| Divis | 55 | 62 | 59 | 65 | |
| Limavady | 99 | 02 | 38 | 00 | |
| North | 22 | 29 | 25 | 32 | |
| Belmont Emley Moss | 44 | 51 | 47 | 41 | |
| Emley Moor North-West | *** | ٠. | 7, | 7, | |
| Winter Hill | 55 | 62 | 59 | 65 | |
| Douglas (IOM) | 68 | 86 | 48 | 56 | |
| North-East | | | | | |
| Bilsdale West Moor | 33 | 26 | 29 | 23 | |
| Caldbeck | 30 | 34 | 28 | 32 | |
| Chatton | 39 | 45 | 49 | 42 | |
| Pontop Pike | 56 | 54 | 61 | 54 | |
| Laxey (IOM) | 58 | 64 | 61 | 54 | |
| Scotland | | | | | |
| Angus | 57 | 63 | 60 | 53 | |
| Black Hill | 40 | 46 | 43 | 50 | |
| Sandale | 22 | - | _ | - | |
| Caldbeck | _ | 34 | 28 | 32 | |
| Craigkelly | 31 | 27 | 24 | 21 | |
| Darvel- | 33 | 26 | 23 | 29 | |
| Durris | 22 | 28 | 25 | 32 | |
| Eitshal | 33 | 26 | 23 | 29 | |
| Keelylang Hill | 40 | 46 | 43 | 50 | |
| Knock More | 33 | 26 | 23 | 29 | |
| Rosemarkle | 39 | 45 | 49 | 42 | |
| Rumster Forest | 31 | 27 | 24 | 21 | |
| Selkirk | 55 | 62 | 59 | 65 | |
| Wales | | | | | |
| Blaenplwyf | 31 | 27 | 24 | 21 | |
| Carmel | 57 | 63 | 60 | 53 | |
| Llanddona | 57 | 63 | 60 | 53 | |
| Moel-y-Parc | 52 | 45 | 49 | 42 | |
| Presely | 46 | 40 | 43 | 50 | |
| Wenvoe | 44 | 51 | 41 | 47 | |

2

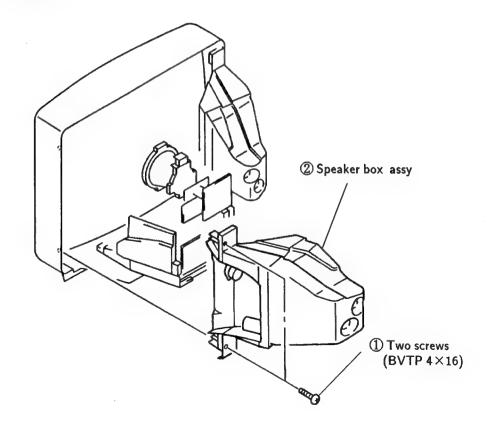
5

SECTION 2 DISASSEMBLY

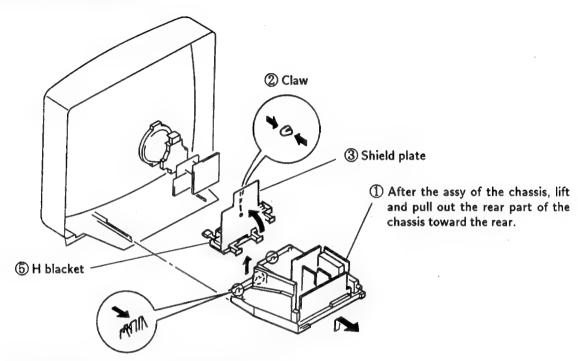
2-1. REAR COVER REMOVAL



2-2. SPEAKER REMOVAL



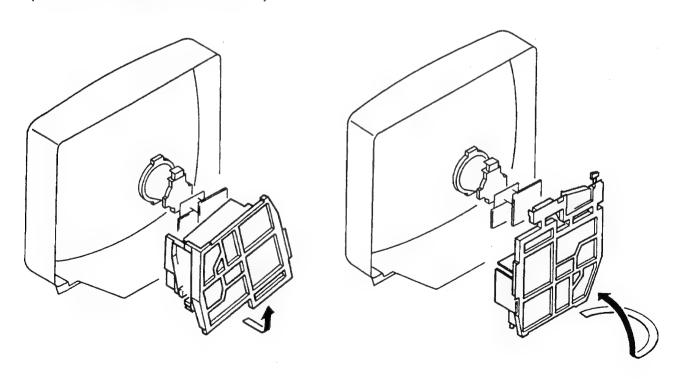
2-3. CHASSIS ASSY REMOVAL



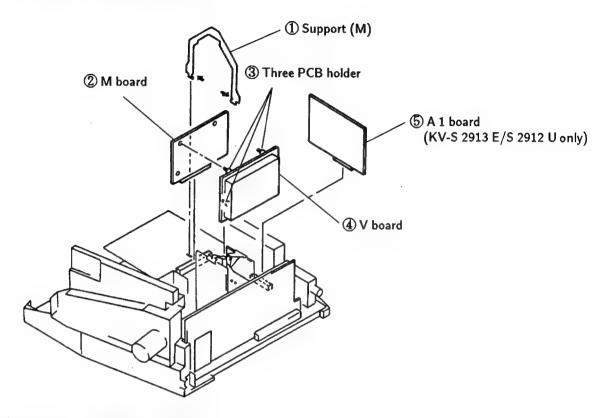
4 Push the three claws of the chassis in the direction of the arrow and remove the H bracket upwards.

2-4. SERVICE POSITION

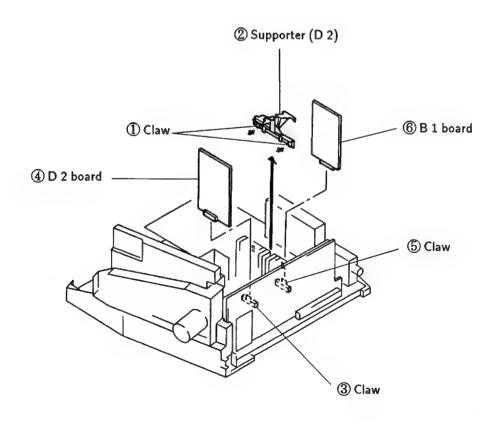
Remove the H bracket from the chassis assy and then perform the following servicing. (Refer to 2-3. CHASSIS ASSY REMOVAL)



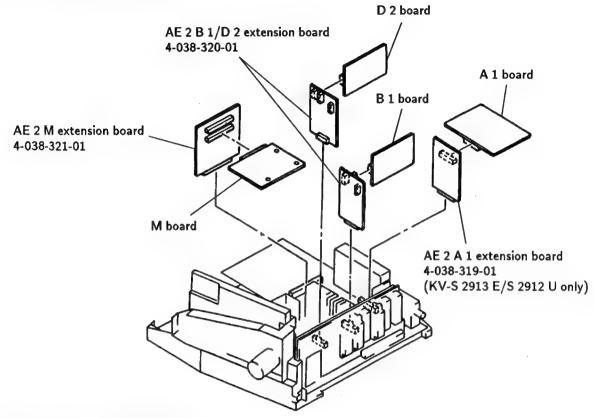
2-5. M, V AND A 1 BOARDS REMOVAL



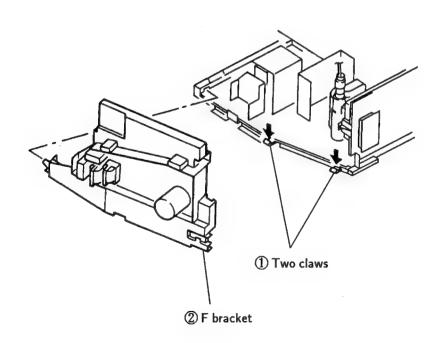
2-6. D 2 AND B 1 BOARDS REMOVAL



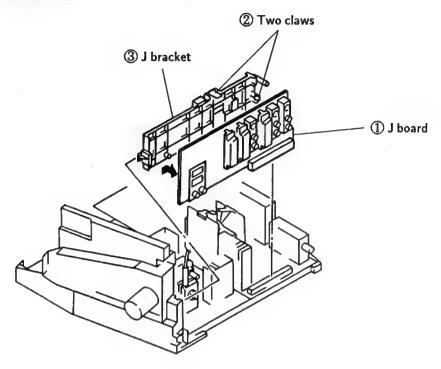
2-7. EXTENSION BOARD



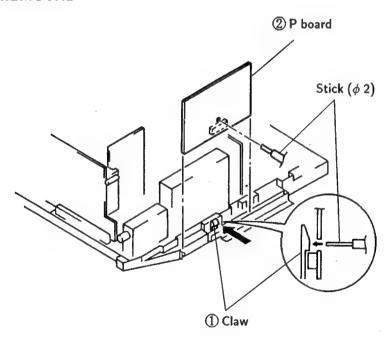
2-8. F BRACKET REMOVAL



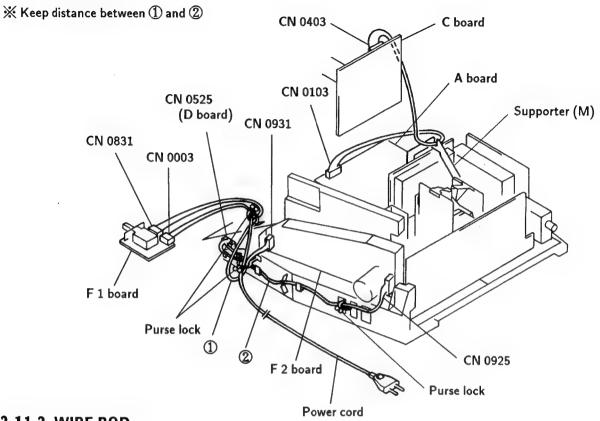
2-9. J BOARD REMOVAL



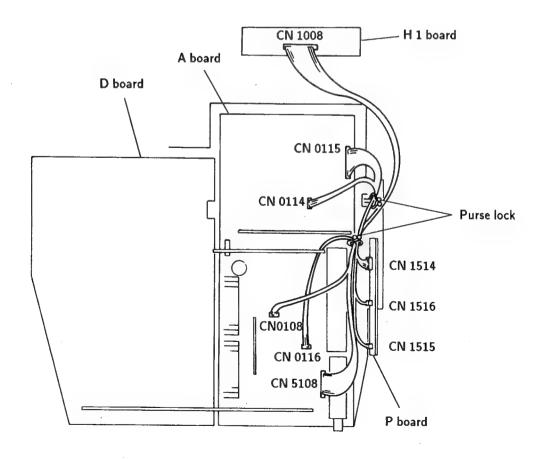
2-10. P BOARD REMOVAL



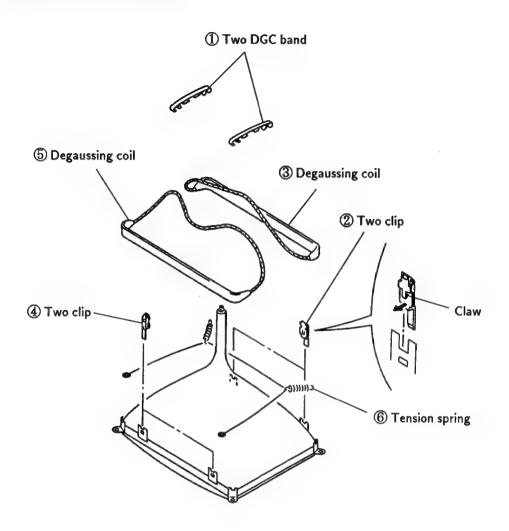
2-11-1. WIRE ROD



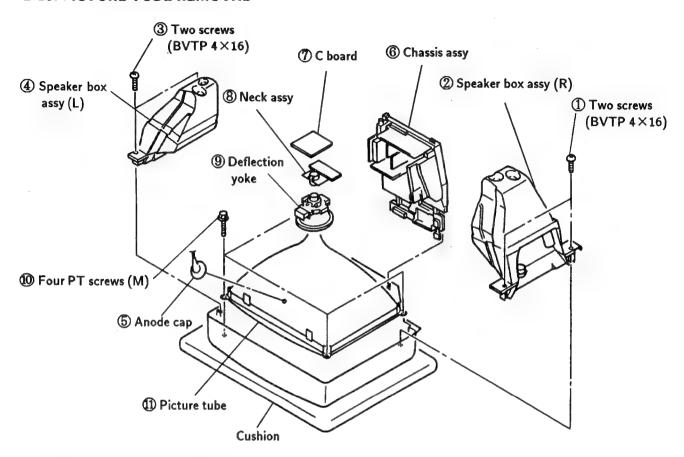
2-11-2. WIRE ROD



2-12. DEGAUSSING COIL REMOVAL



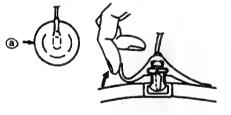
2-13. PICTURE TUBE REMOVAL

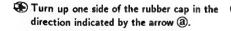


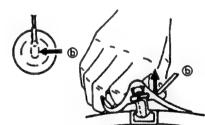
REMOVAL OF ANODE-CAP

NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT chield or carbon painted on the CRT, after removing the anode.

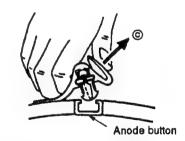
REMOVING PROCEDURES







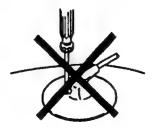
② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⑥.

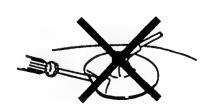


When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow (©).

HOW TO HANDLE AN ANODE-CAP

- Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps!
 - A material fitting called as shatter-hook terminal is built in the rubber.
- Onn't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.





SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there is specific instruction to the contrary, carry out these adjustments with the rated power supply.
- Unless there is specific instruction to the contrary, set the controls and switches this way:
 - O Contrast 80% (or remote control normal)

⇒ Brightness 50%

Preparations:

- In order to reduce the influence of geomagnetism on the set's picture tube face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

- Input the white signal with the pattern generator.
 Contrast Brightness normal
- 2. Position neck assy as shown in Fig.3-2.
- 3. Set the pattern generator raster signal to red.
- 4. Move the deflection yoke to the rear and adjust with the purity control so that the red is at the center and the blue and the green take up equally sized areas on each side. (See Fig.3-1-3-3)
- 5. Move the deflection yoke forward and adjust so that entire screen is red. (See Fig.3-1)
- 6. Switch the raster signal to blue, then to green and verify the condition.
- 7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
- 8. If the beam does not land correctly in all the corners, use a magnet to adjust it. (See Fig.3-4)

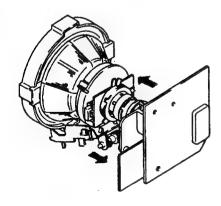


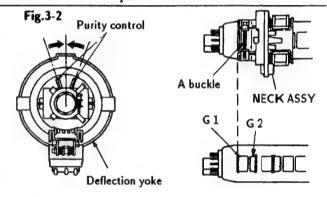
Fig.3-1

- Carry out the following adjustments in this order:
- 1. Beam landing
- 2. Convergence
- 3. Focus
- 4. White balance

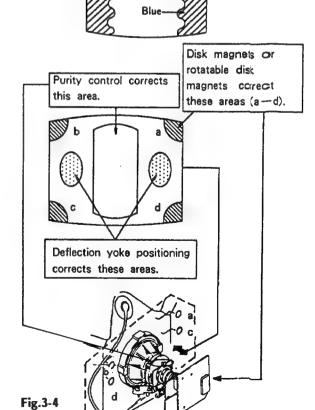
Note: Testing equipment required.

- 1. Color bar/pattern generator
- 2. Degausser
- 3. DC power supply
- 4. Digital multimeter
- 5. Oscilloscope

Fig.3-3



Red

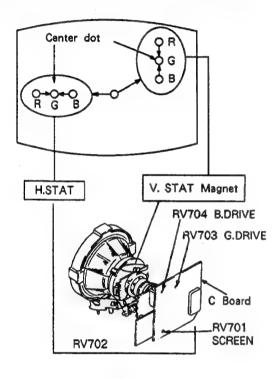


3-2. CONVERGENCE

Preparations:

- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

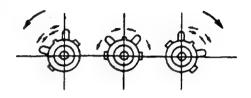
(1) Horizontal and vertical static convergence



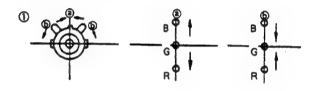
- (Moving horizontally), adjust the H.STAT control so that the red, green, and blue points are on top of each other at the center of the screen.
- 2. (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
- 3. If the H.STAT variable resistor cannot bring the red, green, and blue points together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V. STAT magnet in the manner given below.

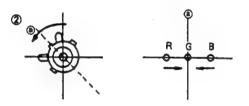
 (In this case, the H.STAT variable resistor and the V.STAT magnet influence each other)

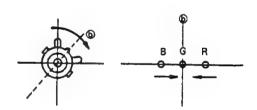
● Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.

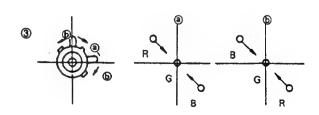


4. If the V.STAT magnet is moved in the direction of the (a) and (b) arrows, the red, green, and blue points move as shown below.

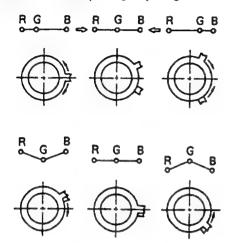








• Operation of BMC (Hexapole) Magnet



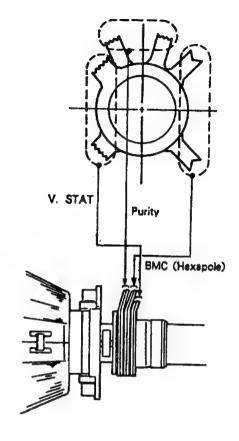
 The respective dot positions resulting from moving each magnet interact, so be sure to perform adjustment while tracking.

Use the H.STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).

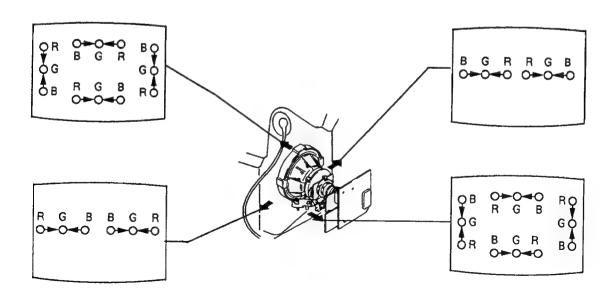


Preparations:

- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.
- 1. Slightly loosen the deflection yoke screws.



- 2. Remove the deflection yoke spacer.
- 3. Move the deflection yoke as shown in the figure below and optimize the convergence.
- 4. Tighten the deflection yoke screws.
- 5. Install the deflection yoke spacer.

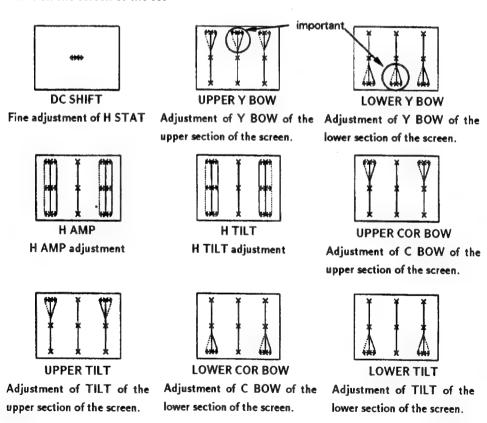


(2) Dynamic convergence adjustment

- 1. Adjust horizontal convergence located at the center position of the screen with H STAT VR.
- Enter into service mode. (Refer to the section 2
 "Electrical Adjustment" on how to enter service
 mode.)
- 3. Select CXA 1526 on menu.
- 4. Select each item and adjust them so that each item attains optimal convergence.
- 5. Press OK button to write the data.

| CXA | 1526 | |
|-----|----------------------|------|
| 1 | DC SHIFT | (32) |
| 2 | UPPER Y BOW | (4) |
| 3 | LOWER Y BOW | (5) |
| 4 | H AMP | (48) |
| 5 | H TILT | (29) |
| 6 | UPPER COR BOW | (32) |
| 7 | UPPER TILT | |
| 8 | LOWER COR BOW | (32) |
| 9 | LOWER TILT | (32) |
| | | |

R.G.B.dots movement on the screen of the set

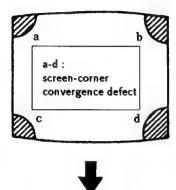


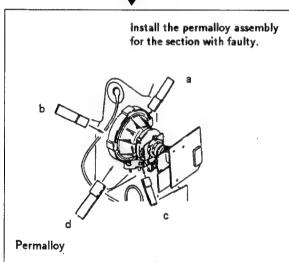
At this time, H.TILT, H.AMP, UPPER TILT, UPPER COR, BOW, LOWER TILT, and LOWER COR, BOW look like all the same, but the movement of the

right and left dots are reverse in all the TILT system. (Pay attention to the dotted lines.)

(4) Screen corner convergence

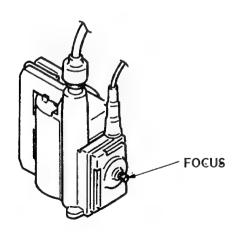
If you cannot adjust corner convergence properly, correct them with permalloy.





3-3. FOCUS

Adjust the focus to optimize the screen.



3-4. WHITE BALANCE

Screen G2 Setting

- 1. Input the dot signal from the pattern generator.
- 2. Set the picture brightness control to its lowest level.
- 3. Apply 180V DC to the R,G, and B cathodes with an external power supply.
- While watching the picture, adjust G 2 control RV 701 (Screen) to the point just before the return lines disappear.

White balance adjustment

- 1. Receive all-white signal.
- Enter into service mode. (Refer to the section 4
 "Electrical Adjustment" to how to enter service
 mode.)
- 3. Select CXA 1587 on menu.

| 09 | SUB BRIGHT | ADJ. |
|----|------------------|------|
| 10 | SUB HUE | 7 |
| 11 | VM LEVEL | 2 |
| 12 | NR LEVEL | 0 |
| 13 | ABL MODE | 0 |
| 14 | G-DRIVE | ADJ. |
| 15 | B-DRIVE | ADJ. |
| 16 | G-AUTO CUT OFF | ADJ. |
| 17 | B-AUTO CUT OFF | ADJ. |
| 18 | R-MANUAL CUT OFF | ADJ. |
| 19 | G-MANUAL CUT OFF | ADJ. |
| 20 | B-MANUAL CUT OFF | ADJ. |

- 4. Set picture to MAX.
- 5. Adjust G-DRIVE B-DRIVE with 1, Duttons so that the white balance becomes optimum.
- 6. Press OK button to write the data for each ite m.
- 7. Set picture to MIN.
- 8. Adjust G-AUTO CUT OFF, B-AUTO CUT OFF, R
 -MANUAL CUT OFF, G-MANUAL CUT OFF and
 B-MANUAL CUT OFF with ♣ buttons so
 that the white balance becomes optimum.
- 9. Press OK button to write the data for each ite m.

SECTION 4 CIRCUIT ADJUSTMENTS

4-1. ELECTRICAL ADJUSTMENTS

Service adjustment to this model can be performed with the supplied remote commander, RM-832.

HOW TO ENTER INTO SERVICE MODE

1. Turn on the main power switch of the set while pressing any two buttons on the front panel.

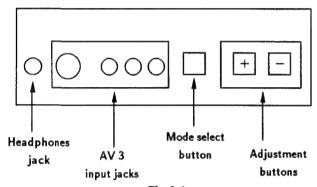
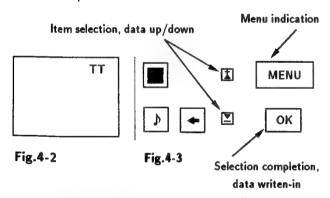


Fig.4-1

2. "TT" will appear on the upper right corner of the screen.

Command operation in service mode



3. Press the MENU button of the commander to get the menu on screen.

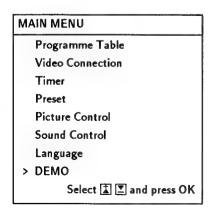


Fig.4-4

- 4. Press the
 ☐ and ☐ buttons of the commander and move > to DEMO.
- 5. Press OK button to proceed to the next menu.
- 6. The menu of fig.4-5 will appear on screen. Select DEVICE corresponding to the adjustment item from the table on next page.



Fig.4-5

7. If adjustment item is CXA 1587, press the ☑ button and move > to CXA 1587.

CXA 1587

| | Item No. | Adjustment item | Data Amout |
|---|----------|-----------------|------------|
| | 01 | PICTURE | 53 |
| | 02 | COLOR | 31 |
| | 03 | BRIGHT | 31 |
| | 04 | HUE | 31 |
| | 05 | SHARPNESS | 7 |
| | 06 | RGB PICTURE | 13 |
| | 07 | SUB CONTRAST | ADJ. |
| | 08 | SUB COLOR | ADJ. |
| > | 09 | SUB BRIGHT | ADJ. |
| | 10 | SUB HUE | 7 |
| | 11 | VM LEVEL | 2 |
| | 12 | NR LEVEL | 0 |
| | 13 | ABL MODE | 0 |
| | 14 | G-DRIVE | ADJ. |
| | 15 | B-DRIVE | ADJ. |

- 8. PressOK button to get the next selection menu.
- Press
 button and move > to the adjustment item and press OK button.
- 10. Press the **I** and **I** buttons to change the data in order to comply each standard.
- 11. Press OK button to write data.
- 12. Turn off the power to quit service mode when completing the adjustment.

CXA 1587

| 01 | PICTURE | 53 |
|----|-------------------|------|
| 02 | COLOR | 31 |
| 03 | BRIGHT | 31 |
| 04 | HUE | 31 |
| 05 | SHARPNESS | 7 |
| 06 | RGB PICTURE | 13 |
| 07 | SUB CONTRAST | ADJ. |
| 08 | SUB COLOR | ADJ. |
| 09 | SUB BRIGHT | ADJ. |
| 10 | SUB HUE | 7 |
| 11 | VM LEVEL | 2 |
| 12 | NR LEVEL | 0 |
| 13 | ABL MODE | 0 |
| 14 | G-DRIVE | ADJ. |
| 15 | B-DRIVE | ADJ. |
| 16 | G-AUTO CUT OFF | ADJ. |
| 17 | B-AUTO CUT OFF | ADJ. |
| 18 | R-MANUAL CUT OFF | ADJ. |
| 19 | G-MANUAL CUT OFF | ADJ. |
| 20 | B-MANUAL CUT OFF | ADJ. |
| 21 | GAMMA LEVEL | 0 |
| 22 | DC TRANSFER RATIO | 3 |
| 23 | DINAMIC PICTURE | 0 |
| 24 | Y FILTER ADJ | ADJ. |
| 25 | Y DELAY TIME | 15 |
| 26 | Y DELAY SWITCH 1 | 0 |
| 27 | Y DELAY SWITCH 2 | . 1 |
| 28 | SHARPNESS LIMIT | ON |
| 29 | ALL BLK | OFF |
| 30 | H SHIFT | 32 |
| 31 | DAC TEST | ON |
| 32 | PRE/OVER SHOOT | 7 |
| 33 | SHARPNESS FO | 2 |
| 34 | SUB SHARPNESS | 3 |
| 35 | R MUTE | OFF |
| 36 | G MUTE | OFF |
| 37 | B MUTE | OFF |
| | | |

CXA 1526

| 1 | DC SHIFT | 32 |
|---|---------------|----|
| 2 | UPPER Y BOW | 4 |
| 3 | LOWER Y BOW | 5 |
| 4 | H.AMP | 48 |
| 5 | H TILT | 29 |
| 6 | UPPER COR BOW | 32 |
| 7 | UPPER TILT | 32 |
| 8 | LOWER COR BOW | 32 |
| 9 | LOWER TILT | 32 |

| AGING 1 | OFF |
|--------------|------------------------------------------------------------------------------------------------|
| AGING 2 | OFF |
| AKB OFF | ON |
| INHIBIT RGB | OFF |
| FORCED RGB | OFF |
| V/2 V | OFF |
| AXIS | PAL |
| HUE SW | OFF |
| V EXTENTION | OFF |
| AFC 1 | 1 |
| AFC 2 | 0 |
| AFC OFF | ON |
| REF.POSITION | 0 |
| | AGING 2 AKB OFF INHIBIT RGB FORCED RGB V/2 V AXIS HUE SW V EXTENTION AFC 1 AFC 2 AFC OFF |

CXD 2018

| CAD 20 | 516 | |
|--------|-----------------|------|
| 01 | V SIZE | ADJ. |
| 02 | V SHIFT | ADJ. |
| 03 | S CORRECTION | ADJ. |
| 04 | V LINEARITY | ADJ. |
| 05 | H SIZE | ADJ. |
| 06 | PIN AMP | ADJ. |
| 07 | TILT | ADJ. |
| 08 | UPPER CORNER | ADJ. |
| 09 | LOWER CORNER | ADJ. |
| 10 | V BOW | ADJ. |
| 11 | ANGLE | ADJ. |
| 12 | HV COMP.V | 13 |
| 13 | HV COMP.H | 8 |
| 14 | FRAME SHIFT | OFF |
| 15 | FREE RUN 60 Hz | OFF |
| 16 | SYSTEM 60 Hz | OFF |
| 17 | ASPECT WIDE | OFF |
| 18 | DOUBLE SCAN | OFF |
| 19 | INTERLACE | ON |
| 20 | H SHIFT | 32 |
| 21 | N/S CORRECTION | ADJ. |
| | 11/3 CORRECTION | ADJ. |

Typical Value (OSD based)when receiving PAL Philips pattern.

TDA 6612

| Stereo-Separation | 30 |
|-------------------|----|
| Stereo-Separation | 30 |

Should be adjusted twice 4:3 and 16:9 mode.

Y FILTER ADJUSTMENT

- 1. Input PAL RED pattern.
- 2. Connect an oscilloscope to CN 0403 ① pin (R OUT) on the C board.
- 3. Enter into service mode and press 3, 8.
- 4. Adjust data by △ or ▽ to minimize the chroma element of CN 0403 ① pin.

SUB BRIGHTNESS ADJUSTMENT

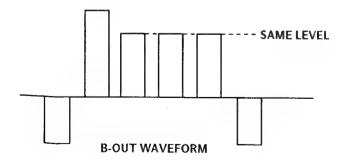
- 1. Input Phillips pattern.
- 2. Enter into service mode and press 23.
- Adjust data so that 0-IRE of the grey scale and CUT
 -OFF 20-IRE glitter slightly.

SUB CONTRAST ADJUSTMENT

- 1. Input a video that contains small 100% area on the Black Back ground.
- 2. Enter into service mode and press 01 to have PIC max followed by 21.
- 3. Adjust data so that 2.5 Vp-p can be obtained at ① CN 0403 (R out).

SUB COLOR ADJUSTMENT

- 1. Input PAL color bar.
- 2. Connect an oscilloscope to CN 0403 ③ pin (B OUT) on the C board.
- 3. Enter into service mode and press 22 of CXA 1587, 8 SUB COLOR.
- 4. Adjust data so that the right sides of the waveform will be the same.



STEREO-SEPARATION ADJUSTMENT

- 1. Input 1 kHz stereo signal to the L-ch and 400 Hz stereo signal to the R-ch.
- 2. Enter into service mode and press 19.
- 3. Adjust data so that sound does not leak to the R-ch and the L-ch.

DRIVE AND CUT OFF

See direct test mode list attached and refer to sub brightness or such for adjustment method.

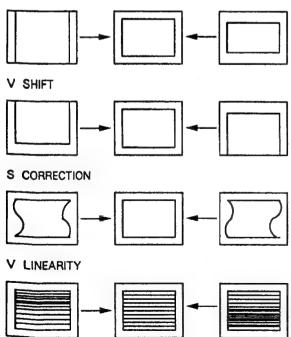
DEFLECTION SYSTEM ADJUSTMENT

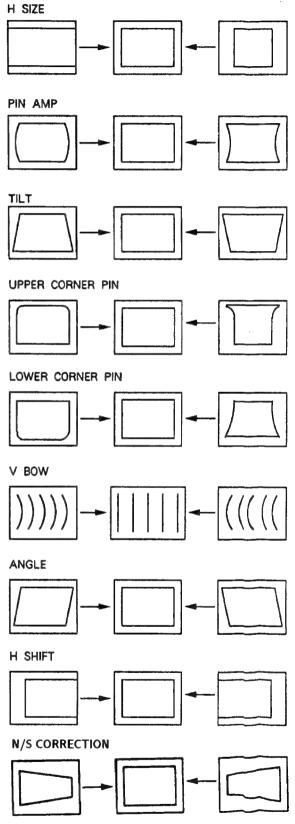
- 1. Enter into service mode and select CXD 2018.
- 2. Select and adjust each item in order to get an optimum image.

CXD 2018

| 01 | V SIZE | ADJ. |
|----|----------------|------|
| 02 | V SHIFT | ADJ. |
| 03 | S CORRECTION | ADJ. |
| 04 | V LINEARITY | ADJ. |
| 05 | H SIZE | ADJ. |
| 06 | PIN AMP | ADJ. |
| 07 | TILT | ADJ. |
| 08 | UPPER CORNER | ADJ. |
| 09 | LOWER CORNER | ADJ. |
| 10 | V BOW | ADJ. |
| 11 | ANGLE | ADJ. |
| 12 | HV COMP.V | 13 |
| 13 | HV COMP.H | 8 |
| 14 | FRAME SHIFT | OFF |
| 15 | FREE RUN 60 Hz | OFF |
| 16 | SYSTEM 60 Hz | OFF |
| 17 | ASPECT WIDE | OFF |
| 18 | DOUBLE SCAM | OFF |
| 19 | NON INTERLACE | ON |
| 20 | H SHIFT | 32 |
| 21 | N/S CORRECTION | ADJ. |







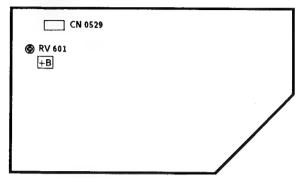
3. PressOK button to write the data.

If menu display may disturb the adjustment pr ess of to clear, to resume it, press of again.

4-2. VOLUME ELECTRICAL ADJUSTMENTS

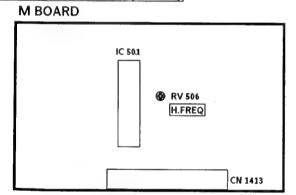
+B (+135 V) ADJUSTMENT (RV 601)

D BOARD



- 1. Turn on the power of the TV set.
- 2. Connect a digital multi-meter to ① pin of CN 0529 on D board.
- 3. Adjust RV 601 on D board to $+135\pm0.5$ V.

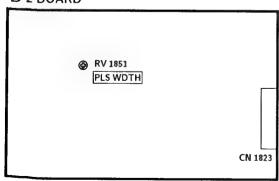
H.FREQ ADJUSTMENT (RV 506)



- 1. Connect GND to 12 pin of IC 501 on M board.
- 2. Connect a frequency counter to @ pin of IC 501.
- 3. Adjust RV 506 on M board to 15,625 kHz \pm 10 Hz.
- 4. Remove @ pin of IC 501 from GND.

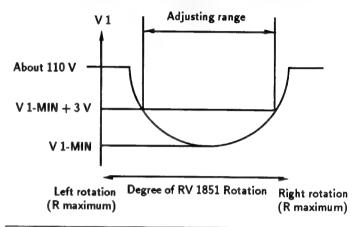
PLS WDTH

D 2 BOARD



DRIVE PULSE PHASE ADJUSTMENT(RV 1851)

While measuring the voltage V 1 at both edges of C 1859, rotate RV 1851 so that it becomes minimum.
 The adjusting range is from (the voltage at which V 1 becomes minimum) V 1 MIN to 3 V, which means, adjust to between V 1 MIN to V 1 MIN + 3 V.

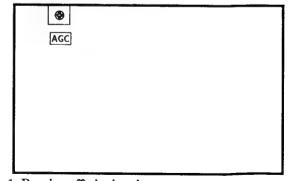


TEXT CLOCK ADJUSTMENT (CT 01)

CN 1741 CN 1741 CN 1737

- 1. Get TEXT MENU on screen.
- 2. Connect GND and the base of Q 08 on V board.
- 3. Adjust CT 01 on V board so that the MENU stands still as much as possible.

AGC ADJUSTMENT (IF BLOCK)



- 1. Receive off-air signal.
- 2. Adjust AGC VR so that there is no snow noise and cross-modulation.
- 3. Change receiving channel and confirm status.

4-3, TEST MODE 2:

Is available by pressing Test button two times, OSD "TT" appears. The functions described bellow are available by pressing the two numbers. To release the Test Mode 2, press two times 0, or switch TV in Standby Mode.

| 00 | switch Test Mode 2 off |
|-------|-----------------------------------------------------|
| 01 | picture maximum |
| 02 | picture minimum |
| 03 | Volume 35% |
| 04 | Volume 50% |
| 05 | Volume 65% |
| 06 | Volume 80% |
| 07 | Aging Condition (Volumin., Picture max., Brightness |
| | max., Aging 2 Mode of CXA 1587, TDA 2595 is |
| | locked to CXA 1587 via PIN 34 of μ -Con.) |
| 08 | Shipping Condition (Analog Values are RESET due |
| | to factory setting, Prog 1 is selected, TT Mode is |
| | switched off) |
| 09 | dummy |
| 10 | Tenth entry is deleted |
| 11 | Balance |
| 12 | Hue |
| 13-14 | dummy |
| 15 | Read factory setting from NVM |
| | Reads Volume, Balance, Treble, Bass, Brightness, |
| | Contrast, Hue, Sharpness, Colour values from ROM |
| | to the actual used values (Last Power Memory) |
| 16 | Save actual used values as RESET values |
| | Memorize actual used values Balance, Treble, Bass, |
| | Hue, Sharpness at RESET position in NVM |
| 17 | Preset Lavel for AV Sources |
| 18 | dummy |
| 19 | Stereo Seperation |
| 20 | Tenth entry is deleted |
| 21 | Sub Contrast |
| 22 | Sub Colour |
| 23 | Sub Brightness |
| 24-29 | dummy |
| | |

| 30 | Tenth entry is deleted |
|-------|--------------------------------------------------------------|
| 31 | Green Drive |
| 32 | Blue Drive |
| 33 | Green Cut Off (Auto Cut Off) |
| 34 | Blue Cut Off (Auto Cut Off) |
| 35 | Red Cut Off (Manual Cut Off) |
| | (Auto Cut Off is switched off) |
| 36 | Green Cut Off (Manual Cut Off) |
| | (Auto Cut Off is switched off) |
| 37 | Blue Cut Off (Manual Cut Off) |
| | (Auto Cut Off is switched off) |
| 38 | Y-Filter adjustment (Trap is switched off and TDA |
| | 9145 is switched in forced NTSC Mode) |
| 39 | dummy |
| 40 | Tenth entry is deleted |
| 41 | Default setting of CXA 1587 |
| | (Only in Plog 99 available) |
| 42 | Default setting of CXA 2018 |
| | (Only in Plog 99 available) |
| 43 | Default setting of CXA 1526 |
| | (Only in Plog 99 available) |
| 44 | (all Port High) Not yet |
| 45 | (all Port High) Not yet |
| 46-48 | dummy |
| 49 | Erease the NVM Testbyte (this byte detects already |
| | stored NMV's) After selecting this function, switch |
| | TV Off and On $ ightarrow$ the NVM will be preset by μ - |
| | Controller. (Not the channel data) |
| _ | |

Note: For No. 35, 36, 37 and 38 special pressing (AKB, forced Color Mode, Trap) is selected.

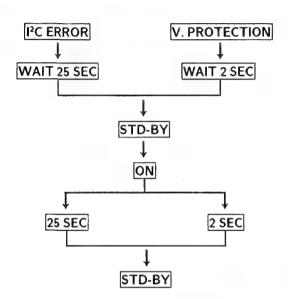
After selecting a new Test Mode Number, the AKB is switched ON, the Trap is switched On and TDA 9145 is switched to Auto Search Mode.

In Test Mode 2 the Menu display is switchable by Speaker-Off button.

4-4. ERROR MESSAGE

Self diagnos system can operates as follows.

 When MP can't get the acknowledge back from the device, LED starts flashing according to the table as attached.



In case of more errors in parallel, the blinking error shows max. Priority according to the error number (e.g. error 2 and error 5 appears together, then LEDs shows error 2).

TABLE OF ERRORS

| ERROR COUNT | IC TYPE | FUNCTION |
|-------------|-----------|-----------------|
| 1 | I C BUS | SDA low |
| 2 | X 24 C 16 | EEPROM |
| 3 | SDA 3202 | Tuner PII |
| 4 | TDA 9145 | Colour decoder |
| 5 | CXA 1587 | RGB/Jungle |
| 6 | TDA 6612 | Sound processor |
| 7 | CXD 2018 | V deflection |
| 8 | CXA 1545 | AV switch |
| 11 | SDA 5248 | Text |
| 13 | | V protection |

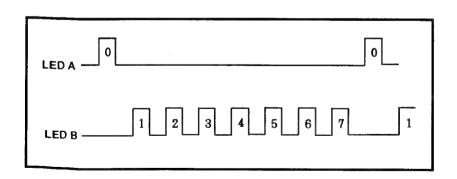
Stand by LED blinking

No IK return

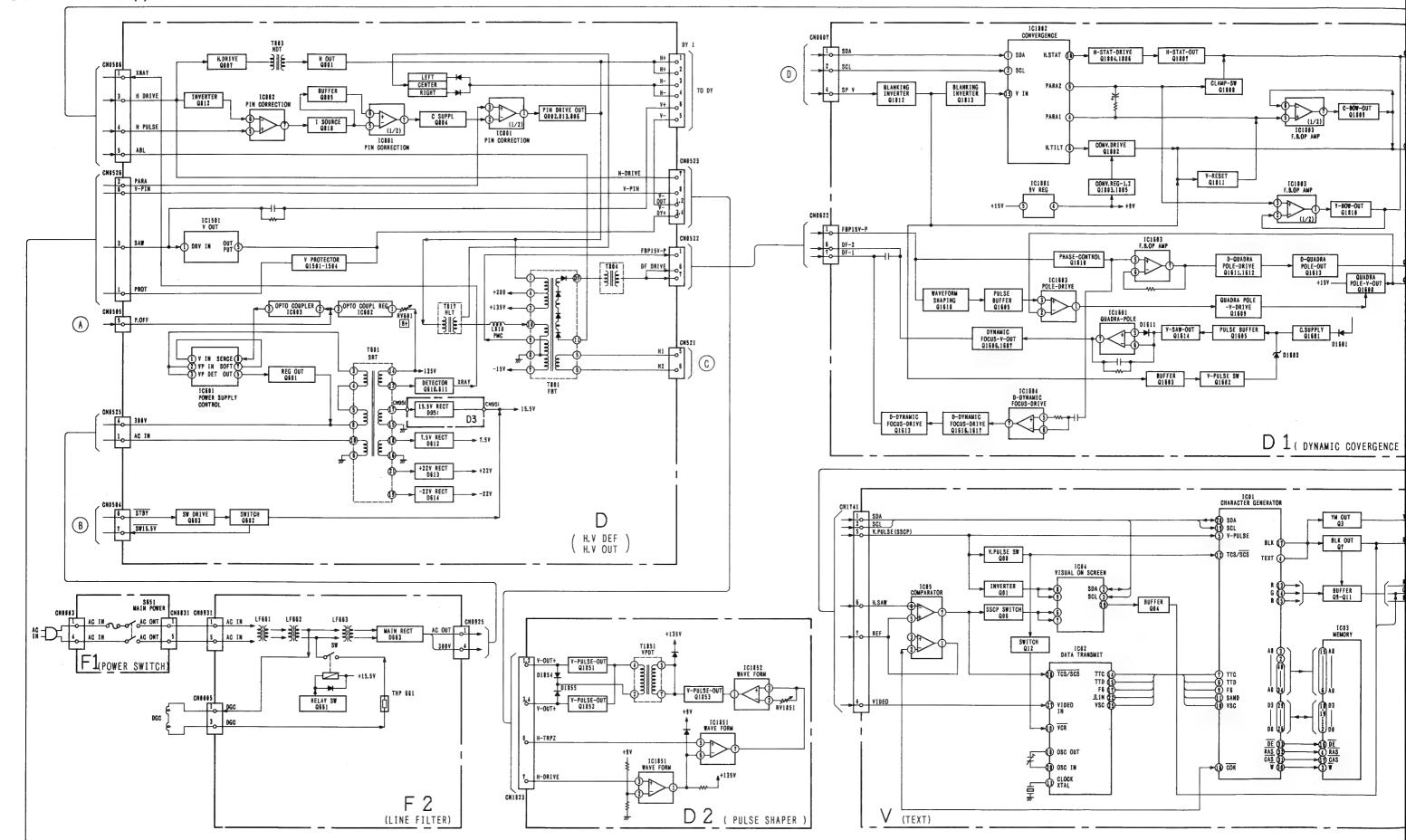
4-5. ERROR II C BUS DIAGNOSIS SYSTEM IN AE 2 CHASSIS

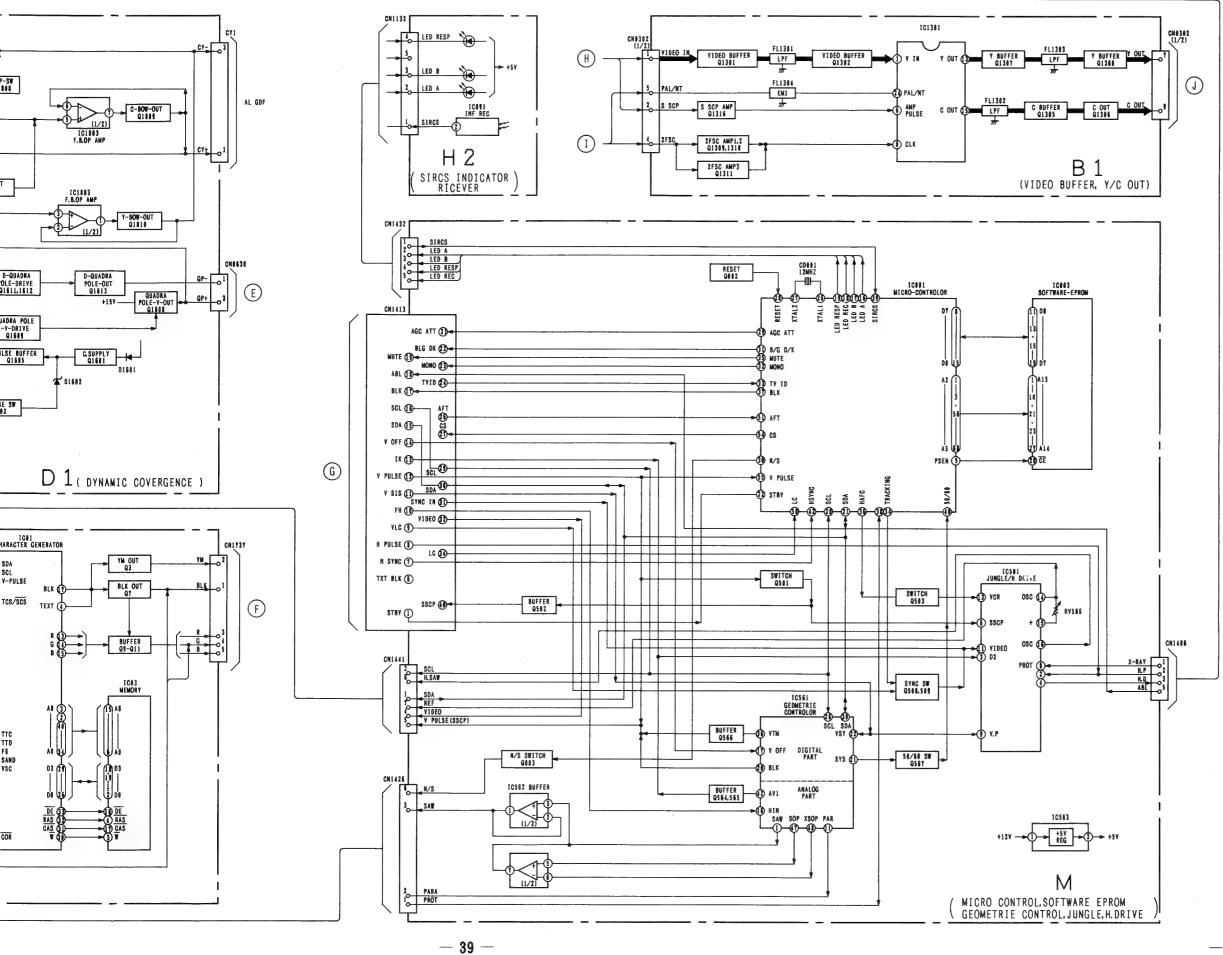
For all ICs in AE 2 chassis which are necessary to get picture and sound there is a built in error I²C Bus diagnosis system.

In case of no acknowledge bit, LED A and LED B starts blinking as shown.

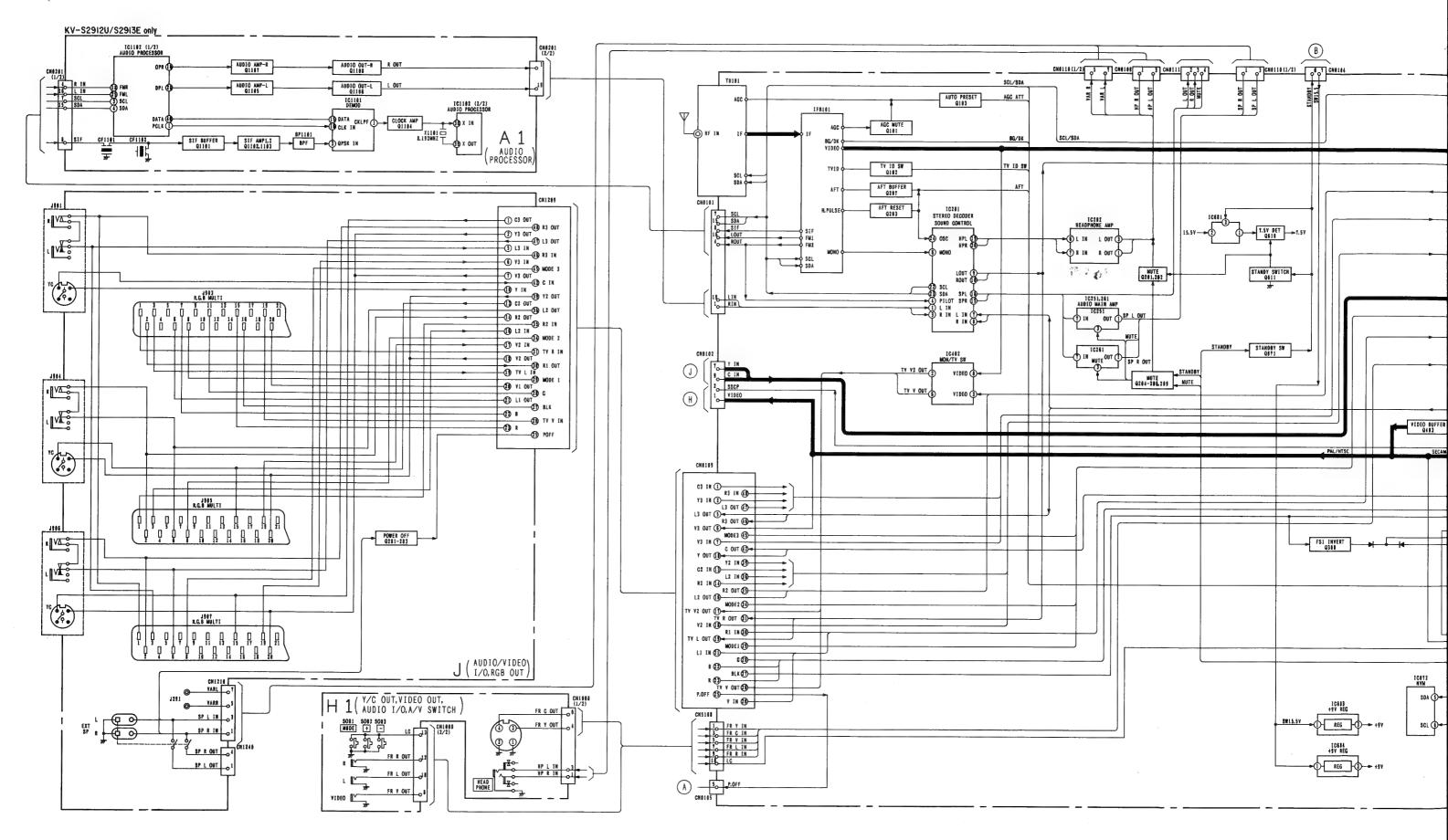


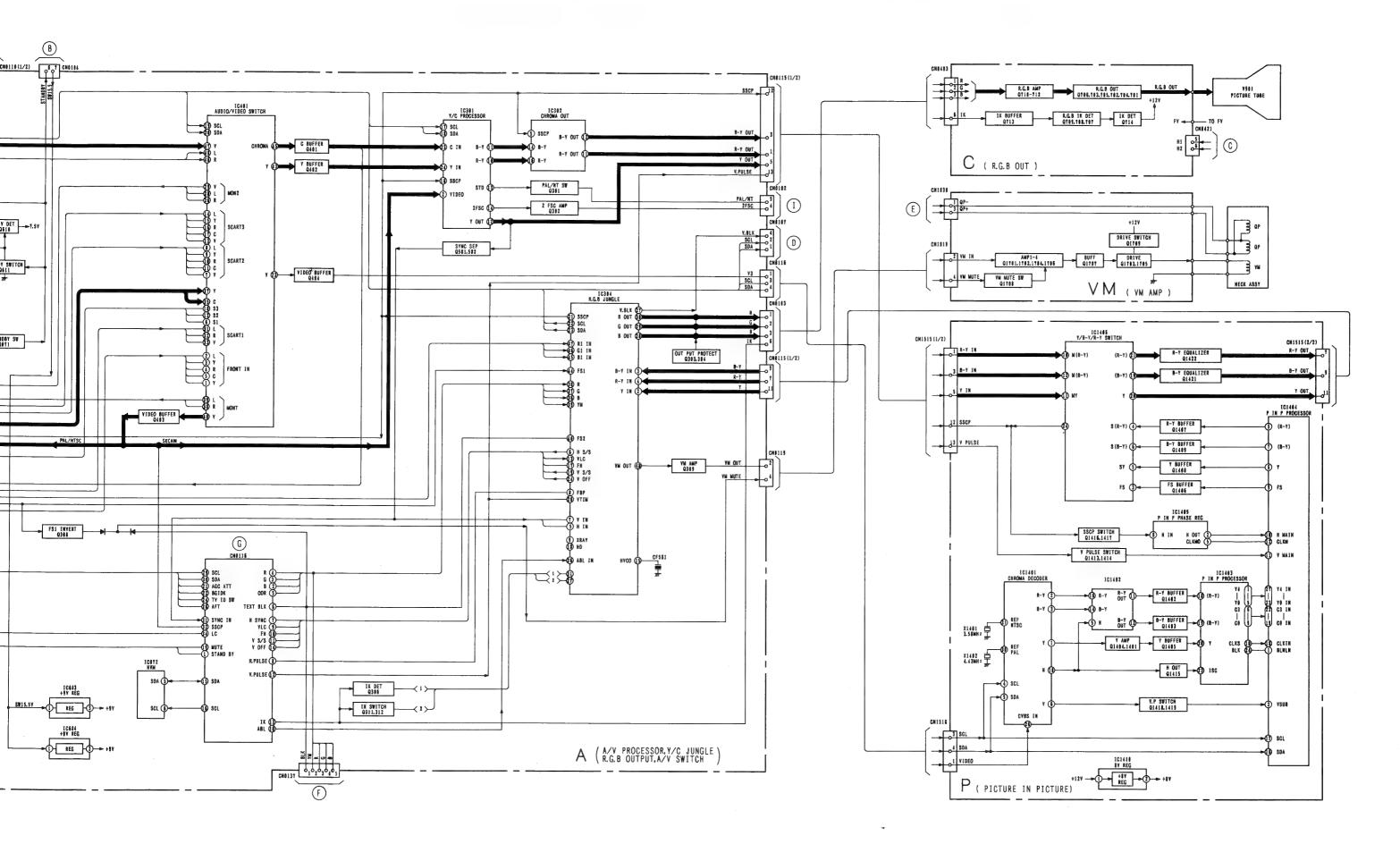
5-1. BLOCK DIAGRAM (1)



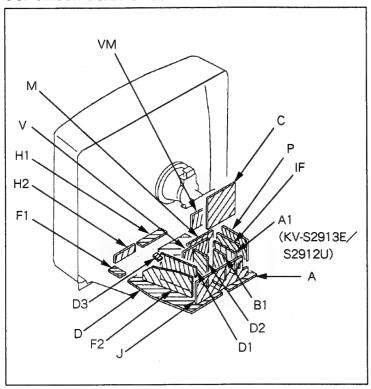


5-2. BLOCK DIAGRAM (2)





5-3. CIRCUIT BOARDS LOCATION



5-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted.
 pF: μμF 50WV or less are not indicated except for electrolytic.
- Indication of resistance, which dose not have one for rating electrical power, is as follows.

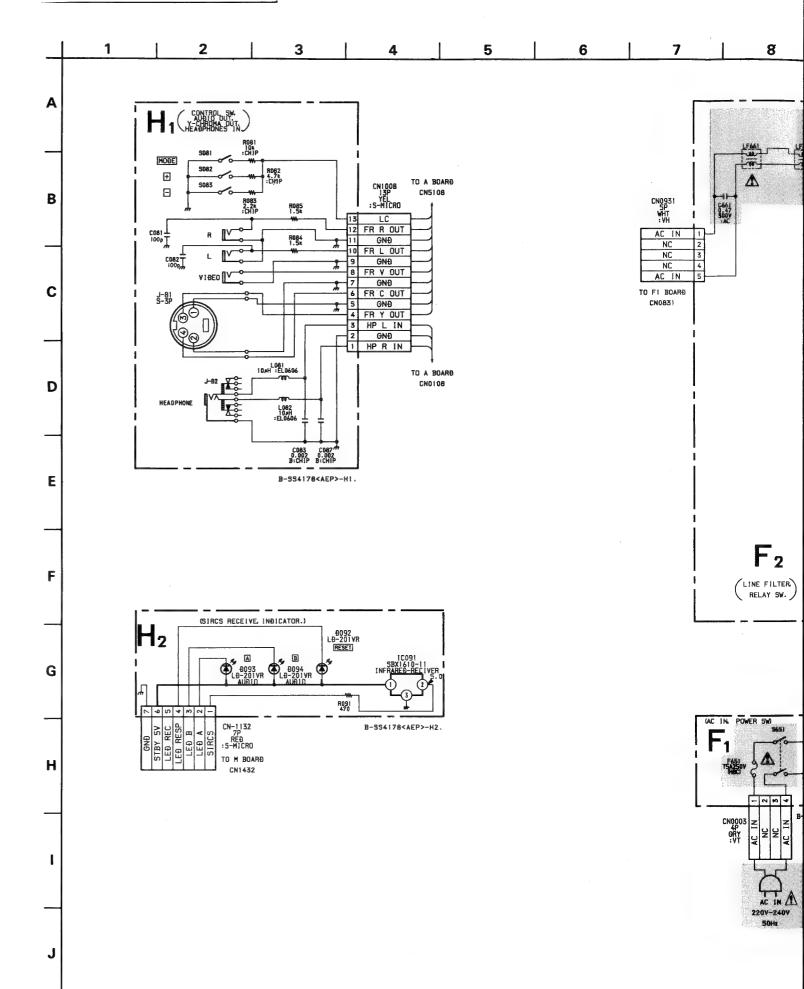
Pitch: 5mm Rating electrical power: ¼W

- Chip resistor is in 1/10W.
- All resistors are in ohms. $k \; \Omega = 1000 \; \Omega, \; M \; \Omega = 1000 K \; \Omega$
- : nonflammable resistor.
- · tusible resistor.
- Δ : internal component.
- panel designation or adjustment for repair.
- All variable and adjustable resistors have charactristic curve B, unless otherwise noted.
- ___ : earth ground
- · : earth chassis
- · All voltages are in V.
- . Readings are taken with a 10M Ω digital multimeter.
- · Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- : B + bus.
- • B bus.
- signal path.(RF)

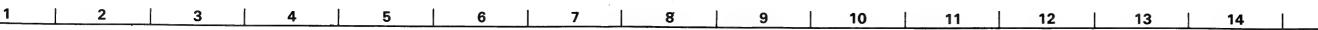
Reference information RESISTOR : METAL FILM RN RC : SOLID : NONFLAMMABLE CARBON FPRD **FUSE** : NONFLAMMABLE FUSIBLE : NONFLAMMABLE METAL OXIDE RS RB : NONFLAMMABLE CEMENT RW : NONFLAMMABLE WIREWOUND : ADJUSTMENT RESISTOR : MICRO INDUCTOR COIL LF-8L CAPACITOR TA : TANTALUM : STYROL PS PP : POLYPROPYLENE PT : MYLAR MPS : METALIZED POLYESTER MPP : METALIZED POLYPROPYLENE ALB : BIPOLAR : HIGH TEMPERATURE ALT : HIGH RIPPLE

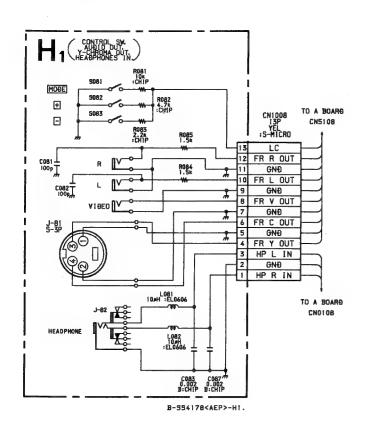
Note: The components identified by shading and mark A are critical for safety. Replace only with part number specified.

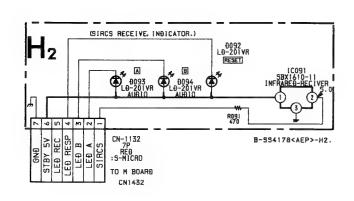
Note: Les composants identifiés par une trame et par une marque A sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

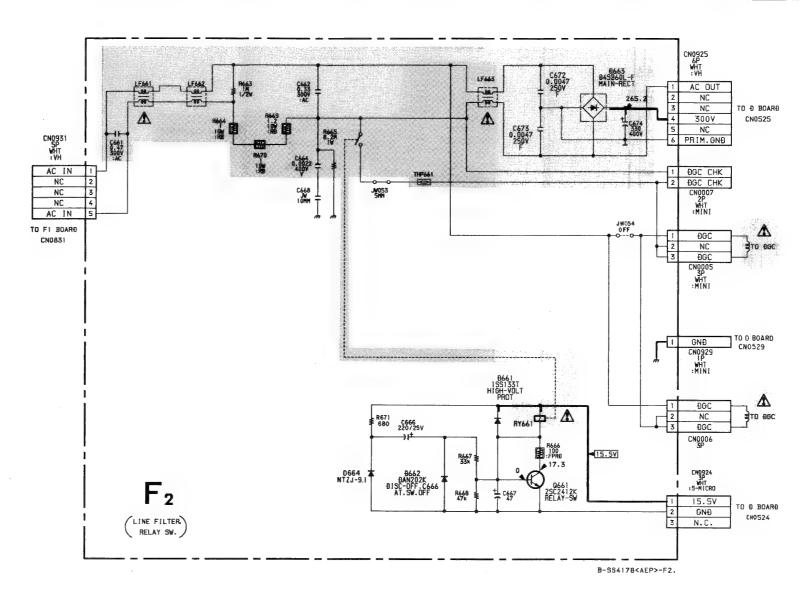


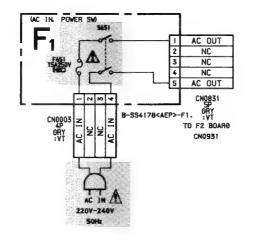
-46





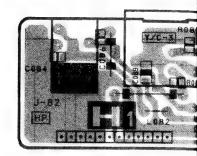




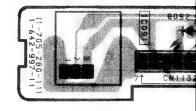




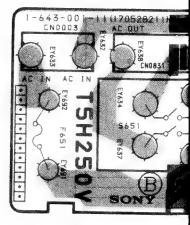
- H1 BOARD --

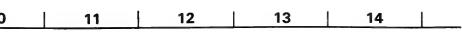


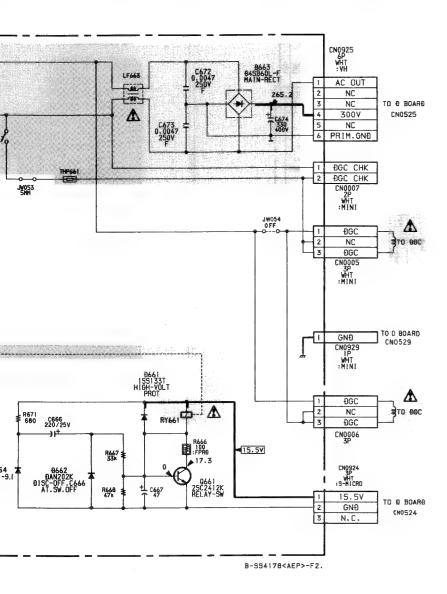
- H2 BOARD -

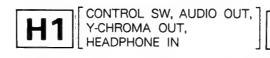


- F1 BOARD -





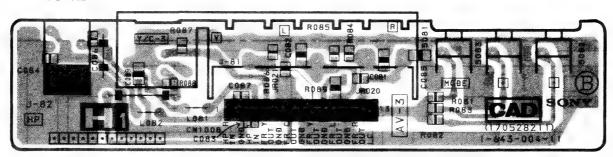




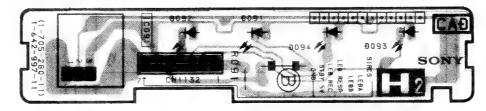




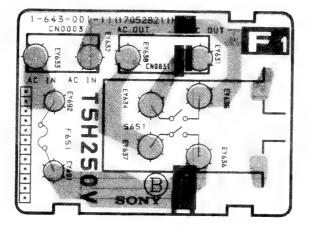
- H1 BOARD -

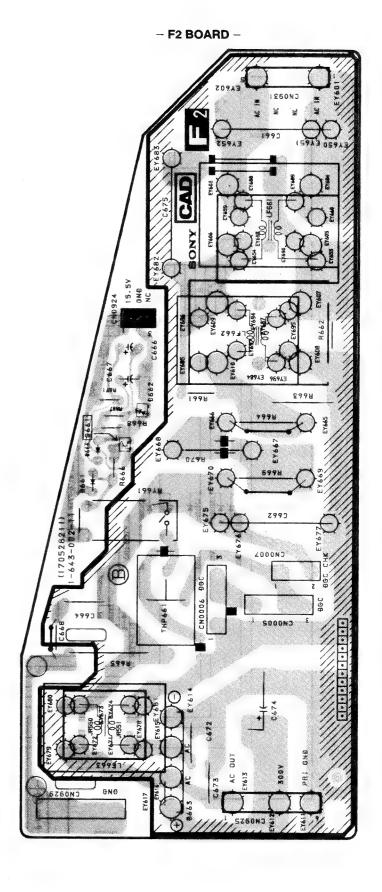


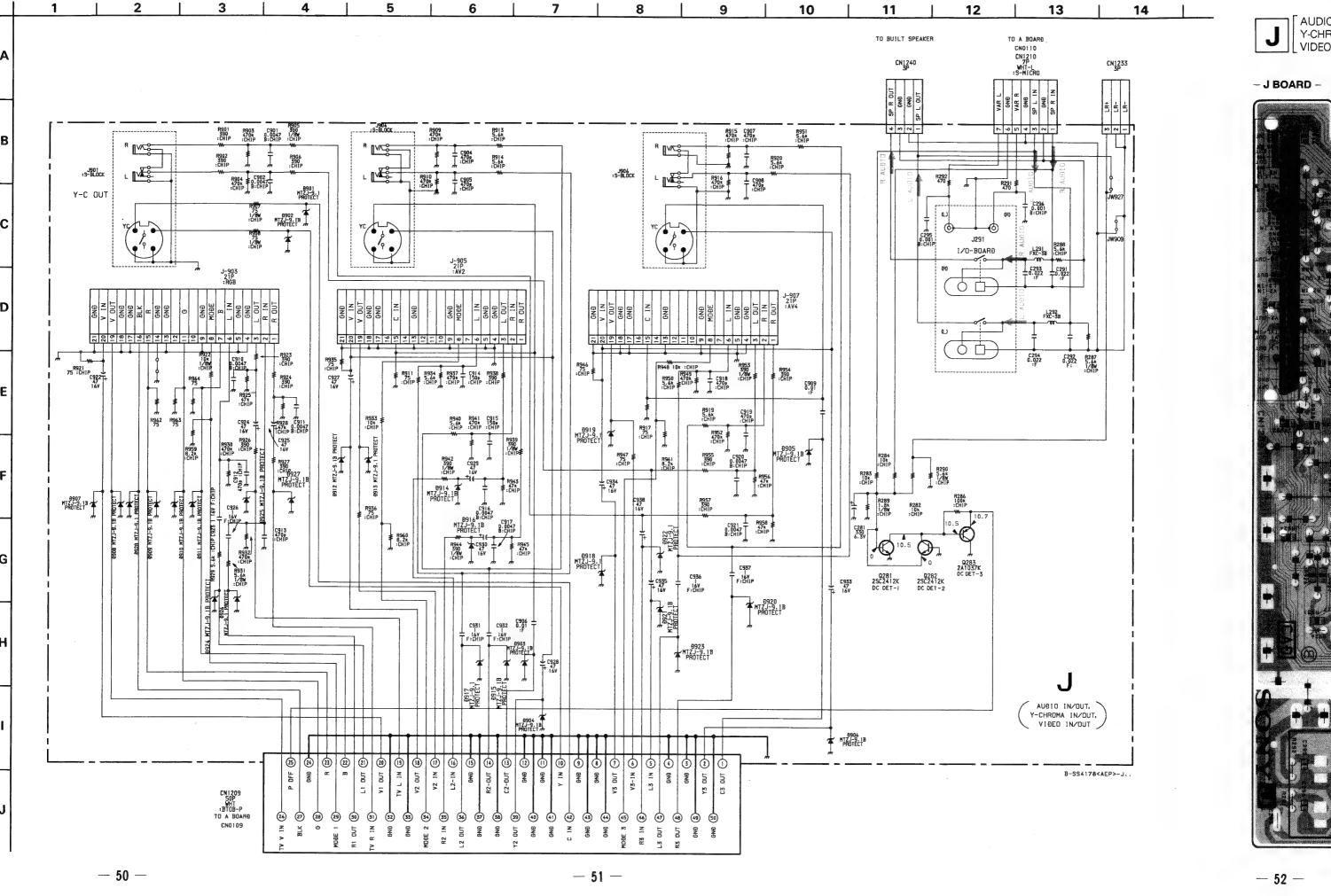
- H2 BOARD -

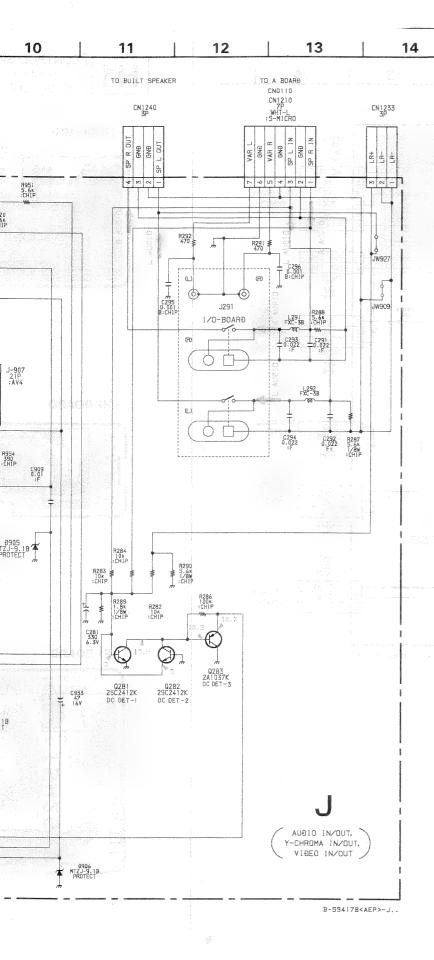


- F1 BOARD -

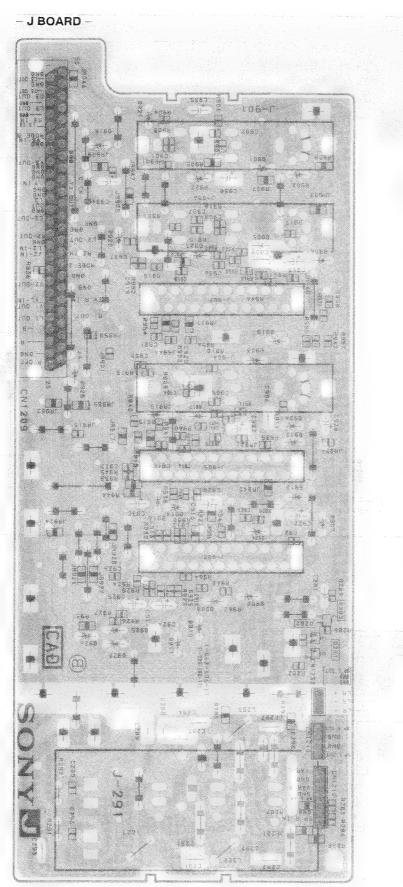


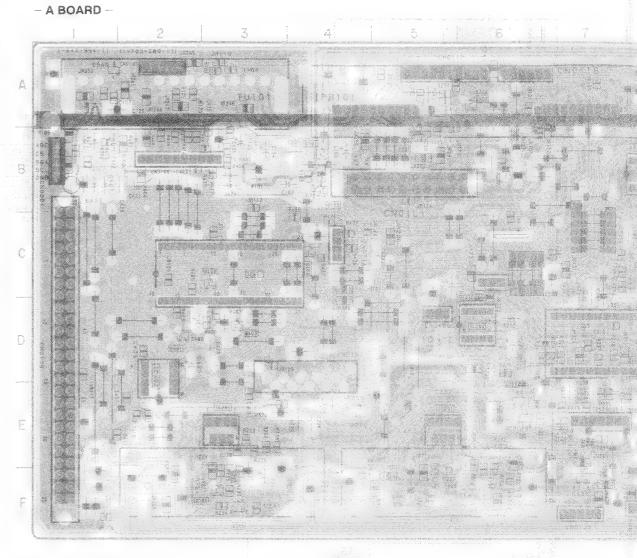






AUDIO IN/OUT, Y-CHROMA IN/OUT, VIDEO IN/OUT AV SWITCH, RGB JUNGLE, Y/C PROCESSOR

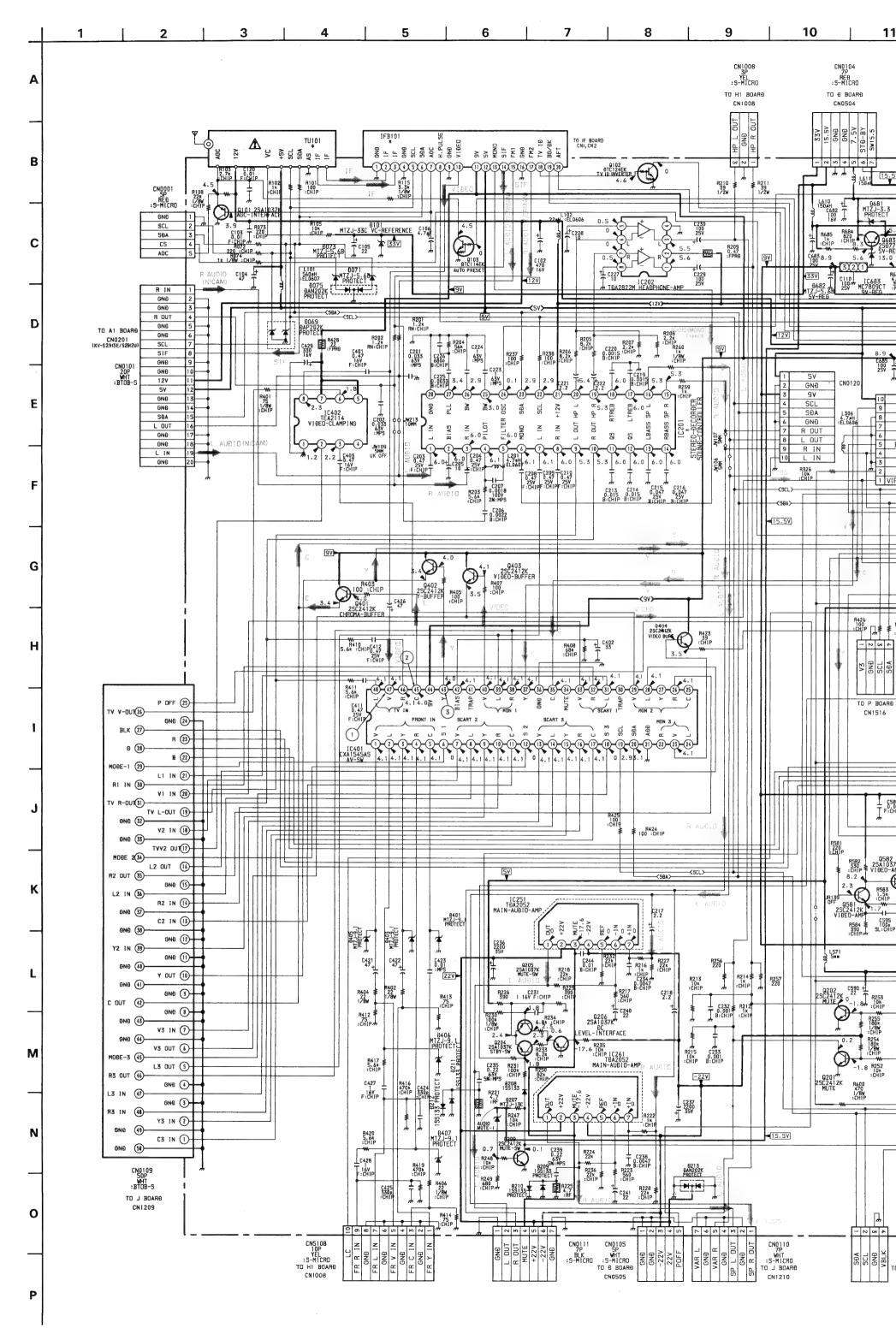


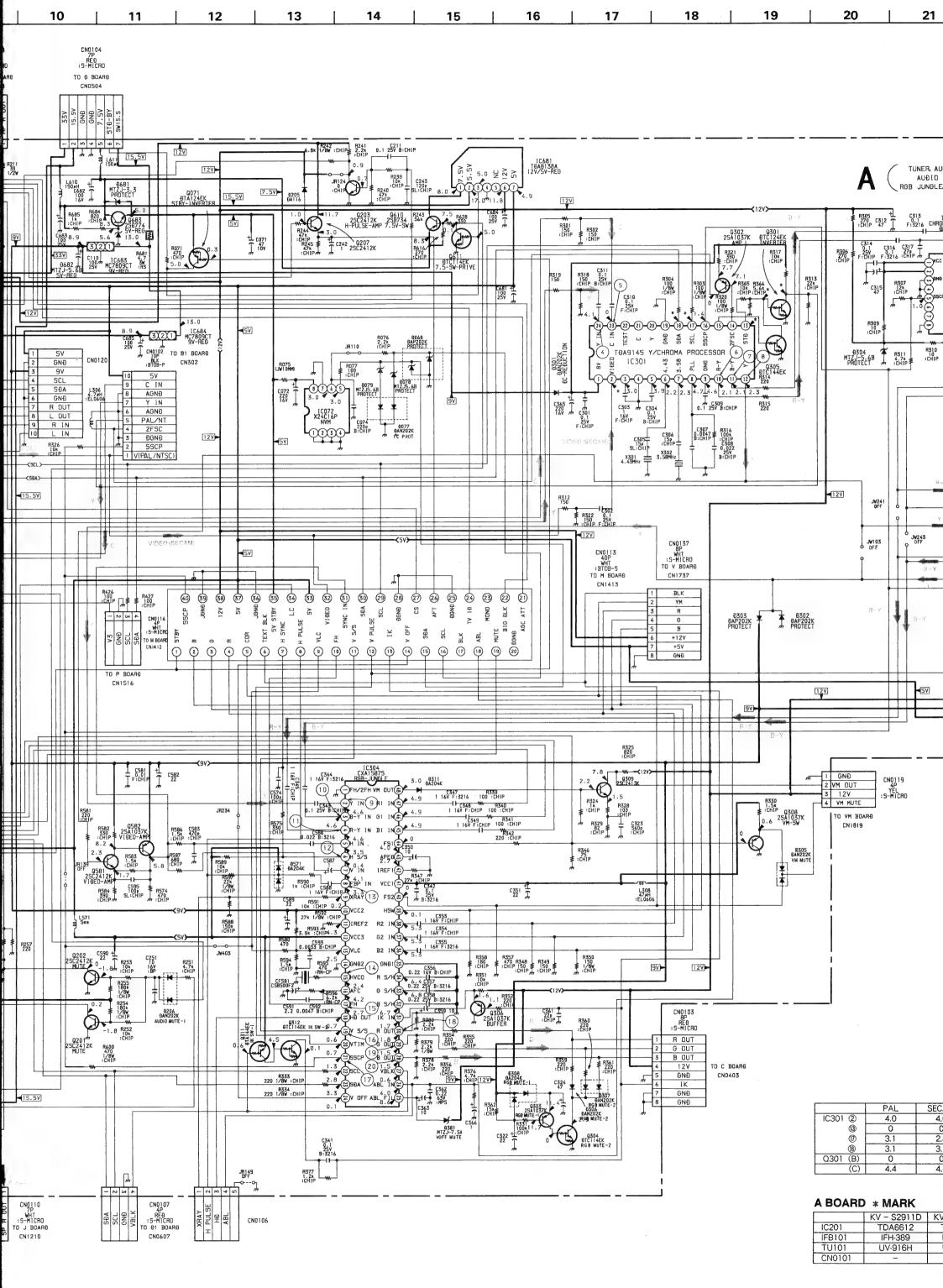


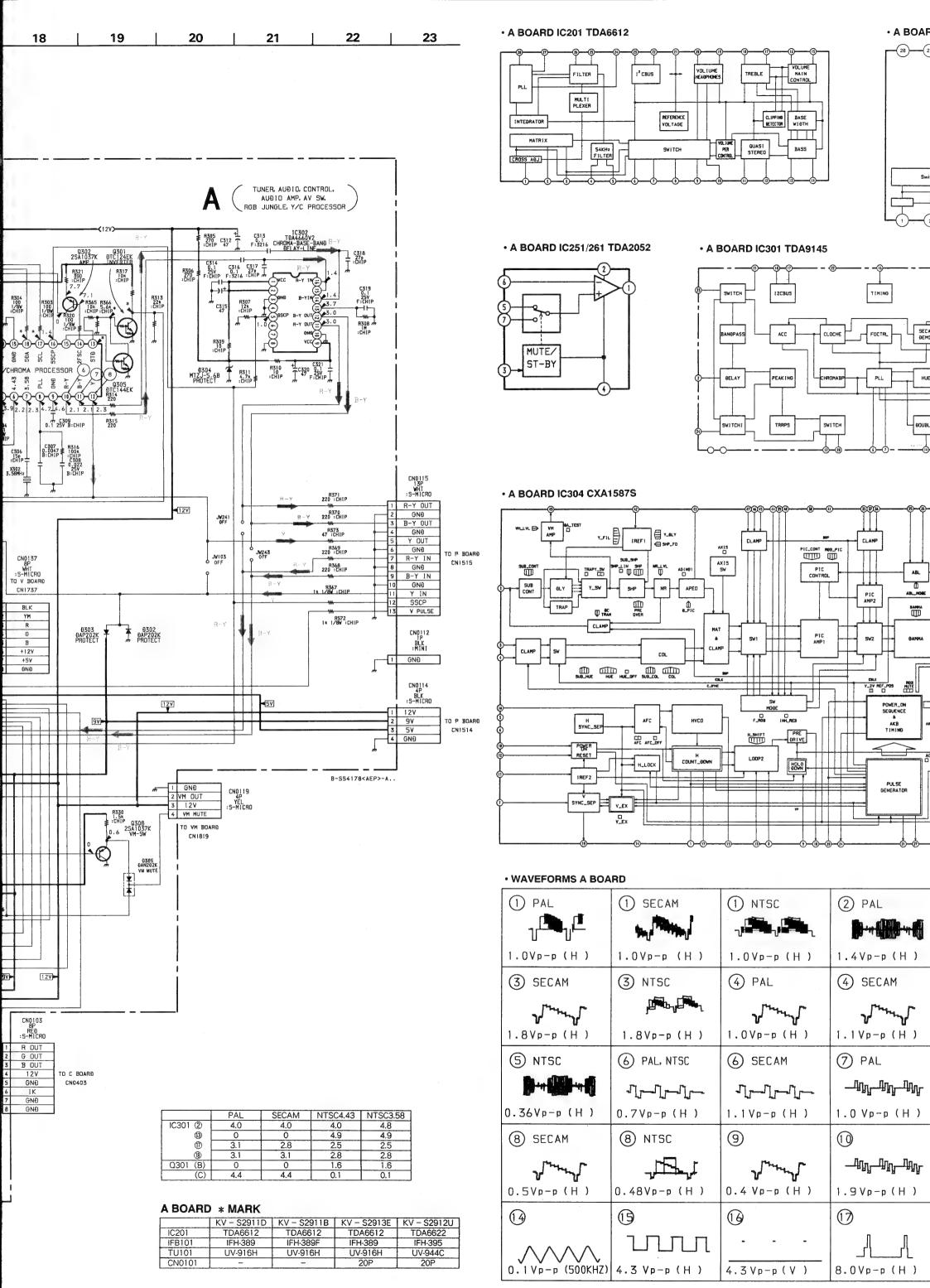
- A BOARD -

| 10 | | 0683 | Annual An |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10072 | B - 8 | | |
| IC201 | 0-7 | The second secon | |
| 10202 | 0-6 | i ni | ODE |
| 10251 | E-5 | 1.71 | And Insu |
| 10261 | E-3 | D068 | 8 - 9 |
| 10301 | A-10 | D069 | 1.A-1 5 |
| IC302 | A - 13 | 0071 | B1 |
| IC304 | 0-13 | 0073 | 8-1 |
| IC401 | 0-3 | 0075 | A = 1 |
| 10402 | D = 2 | D077 | B - 10 |
| IC681 | E=12 | D078 | B - 9 |
| 10683 | F = 11 | D079 | B-9 |
| 10684 | 0-6 | D101 | B-3 |
| | | D205 14 | / A-9 |
| | | D208 | F-10 |
| Mile and the control of the second states and the second states are second states are second states and the second states are se | | D207 | F10 |
| TRANS | ISTAR | D208 | F = 10 |
| 11111111 | | D209 | E-4 |
| .0071 | E-12 | D210 | E-4 |
| 0101 | B - 4 | D211 | F-6 |
| Q102 | A - 9 | D212 | F 6 |
| 0103 | B - 4 | D213 | F 7 |
| Q201 | E-6 | D301 | B - 11 |
| 0202 | E-6 | D302 | A - 12 |
| 0203 | A-6 | D303 | 7-0-11 |
| 0204 | F-4 | D304 | 8 - 13 |
| .0205 | F - 3 | D305 | 3-11 |
| Q206 | F-3 | D306 | E - 13 |
| 0207 | B-8 | - D307 | E - 13 |
| 0209 | F - 10 | D308 | E - 13 |
| Q301 | A - 9 | 0311 | D - 12 |
| Q302 | B-10 | D381 | 0 4 11 |
| Q303 | E - 13 | D401 | B = 1 |
| Q304 | E-13 | D408 | B-1-4 |
| Q306 | E-12 | D405 | 8 - 2 |
| 0308 | D - 12 | D408 | B - 3 |
| 0309 | D - 11 | D407 | B - 3 |
| Q311 | D - 10 | 5571 | |
| | D=10 c | | |
| | D-2 | | F-11 |
| Q402 | C-3 | | |
| 0403 | D - 3 | | , i |
| 0404 | C-4 | | |
| Q581 | C - 11 | | |
| 0582 | 0 - 11 | | 18 |
| | F-12 | | n en |
| | F - 12 | | |
| SASPITE | the state of the s | | |

* XXXXX : Pattern of the rear side.







CN0115 13P WHT 5-MICRO

F-Y OUT GND F-Y OUT GND Y OUT

GNĐ

GNÐ

B-Y IN GNÐ Y IN SSCP

CN0112

GNĐ

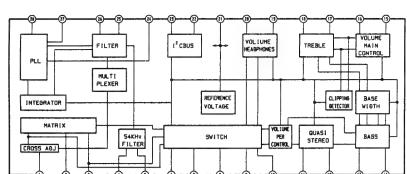
R-Y IN

TO P BOARD

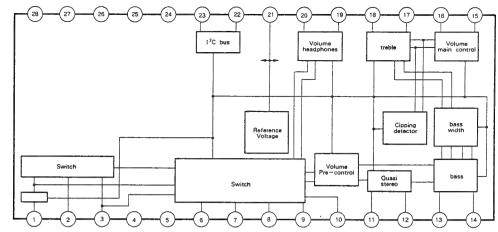
CN1515

TO P BOARĐ

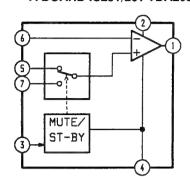




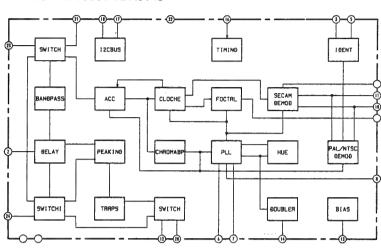
A BOARD IC201 TDA6622 (UK Model only)



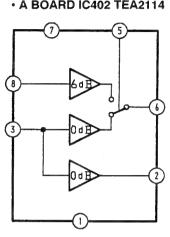
• A BOARD IC251/261 TDA2052

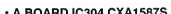


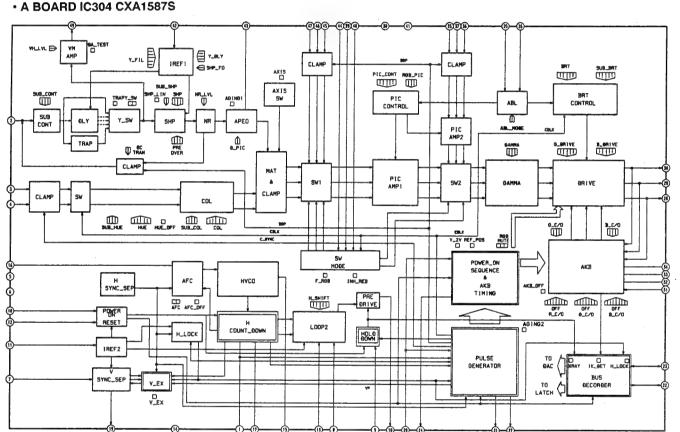




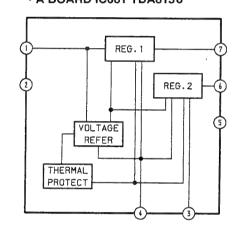
• A BOARD IC402 TEA2114



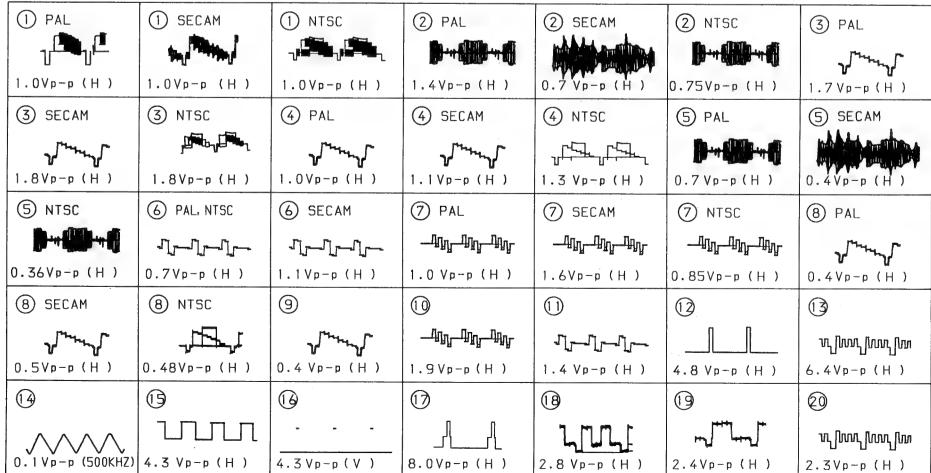


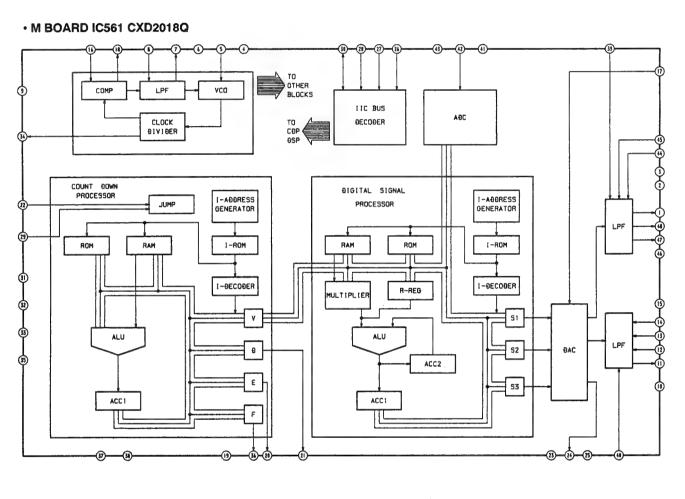


A BOARD IC681 TDA8138



WAVEFORMS A BOARD





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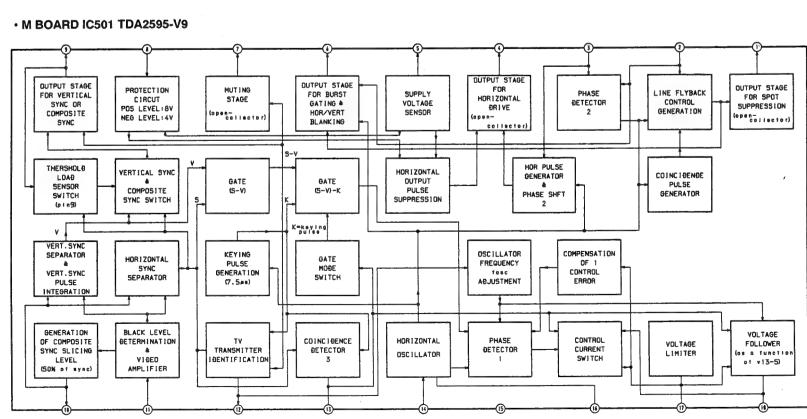
Н

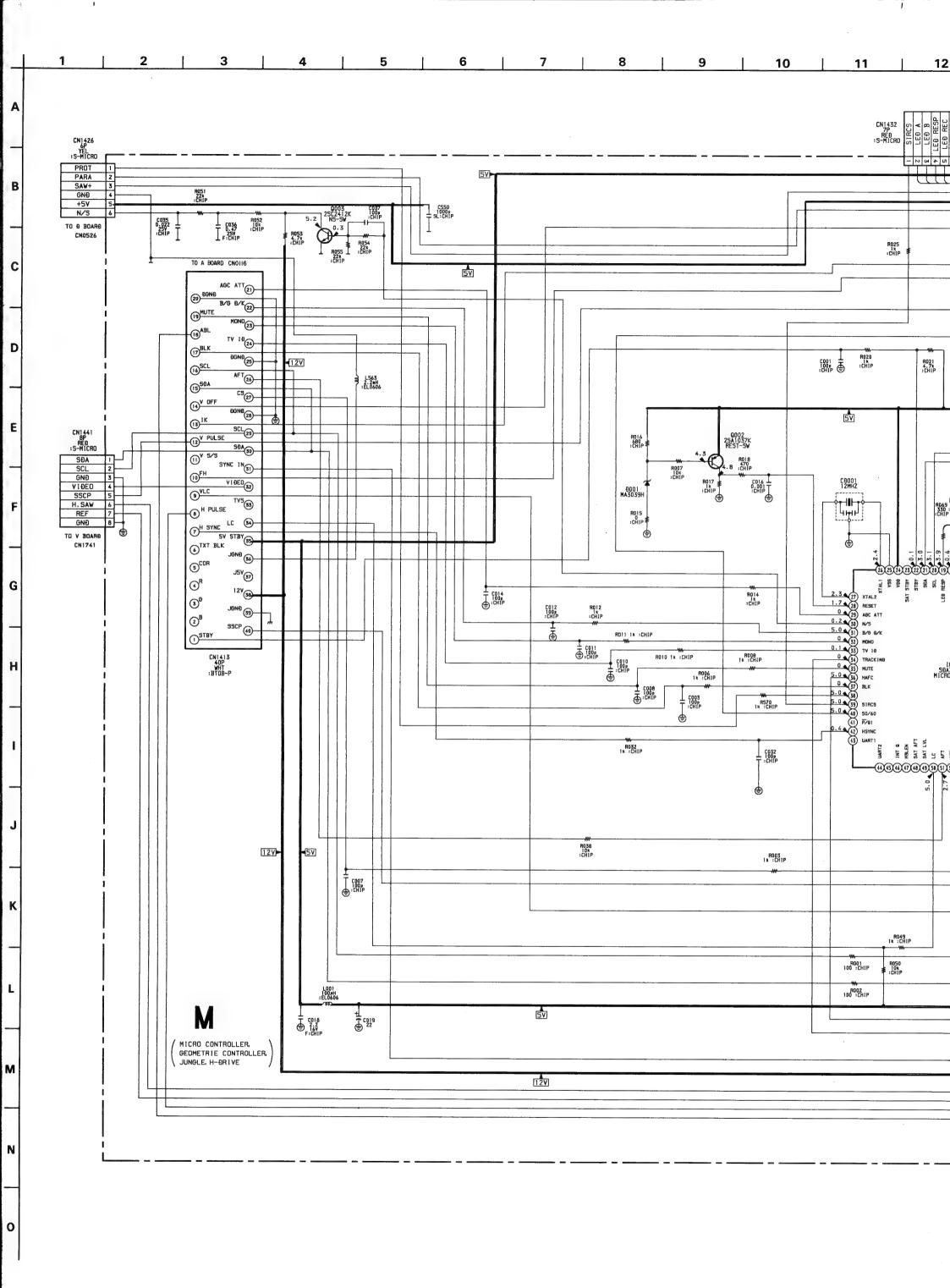
L

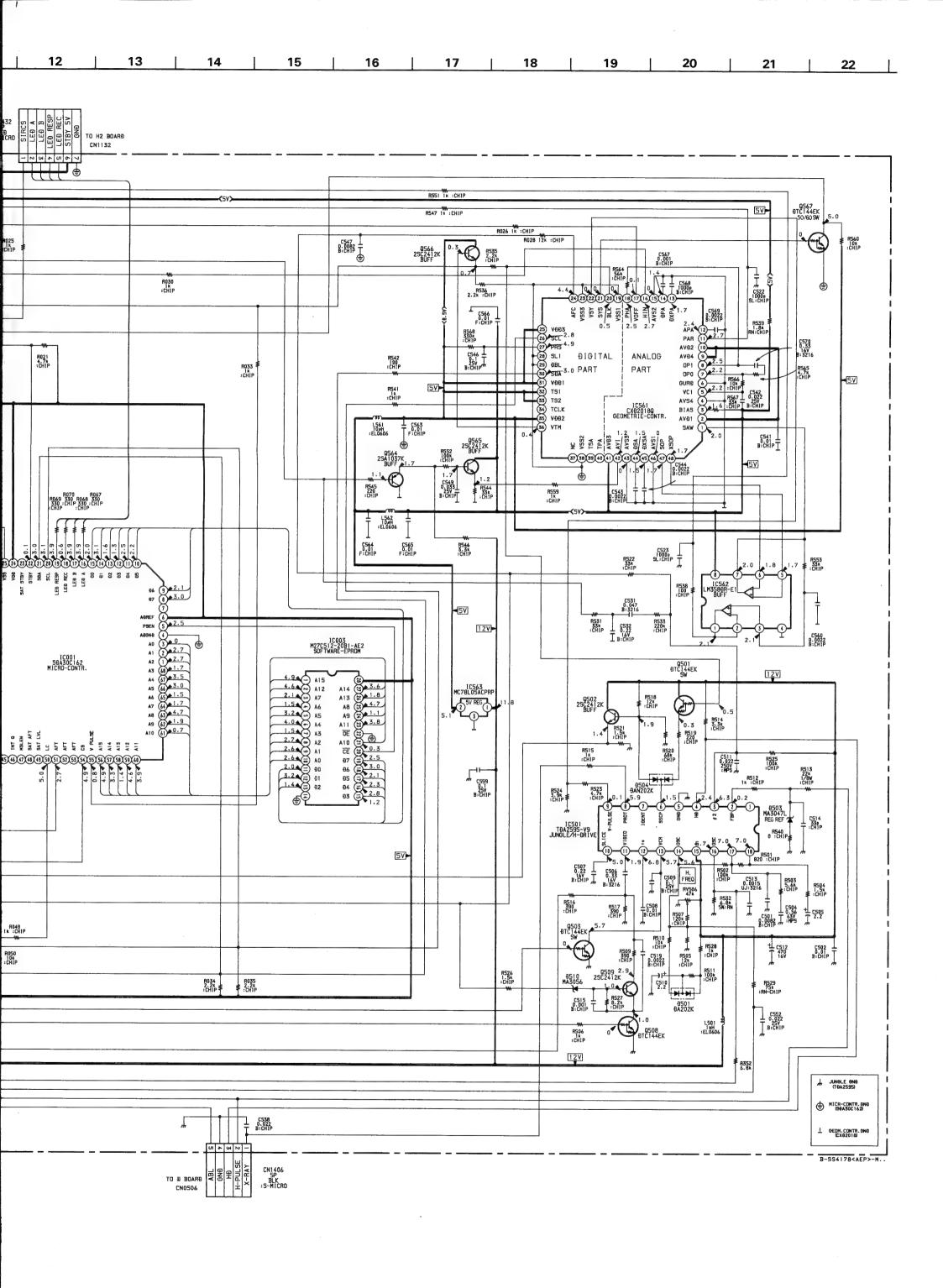
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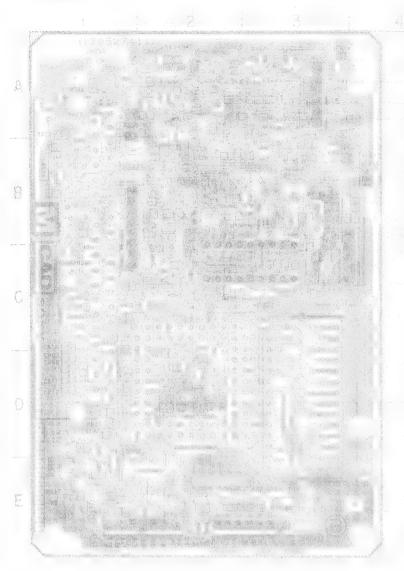


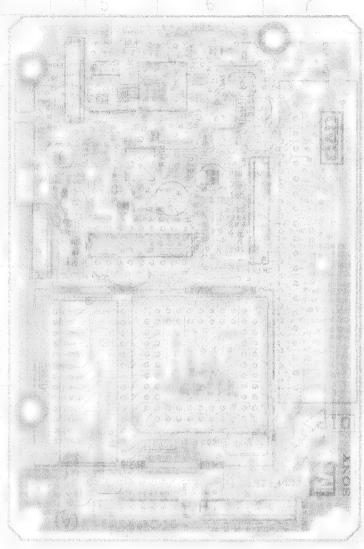










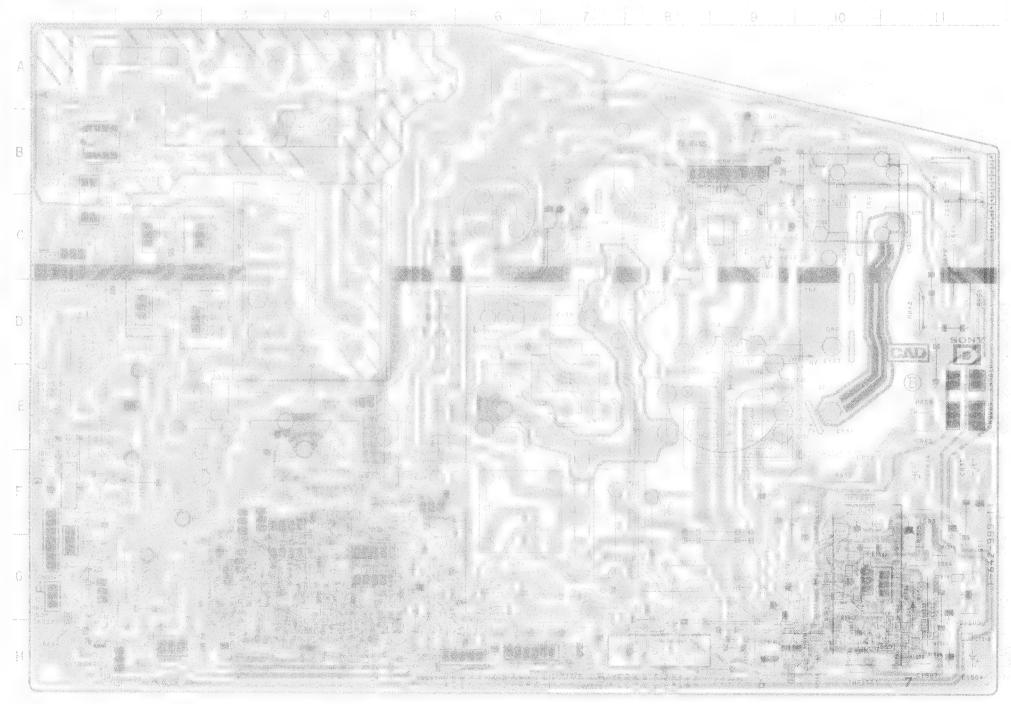


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| | 10501 | C - 3 |
| | IC561 | A-6 |
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| - | 2003 | D = 2 |
| 2000 | Q501 | 0-2: |
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| - | 0503 | C-2 |
| - | Q508 | 0-2 |
| - | 0509 | 8-2 |
| and the same of | 0564 | A - 2 |
| - | Q565 | A-21 |
| | 0566 | B-31. |
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| | D501 | B-2 |
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| | D504 | 0-2 |
| | D510 | A 1 |
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| | RV506 | B3 |

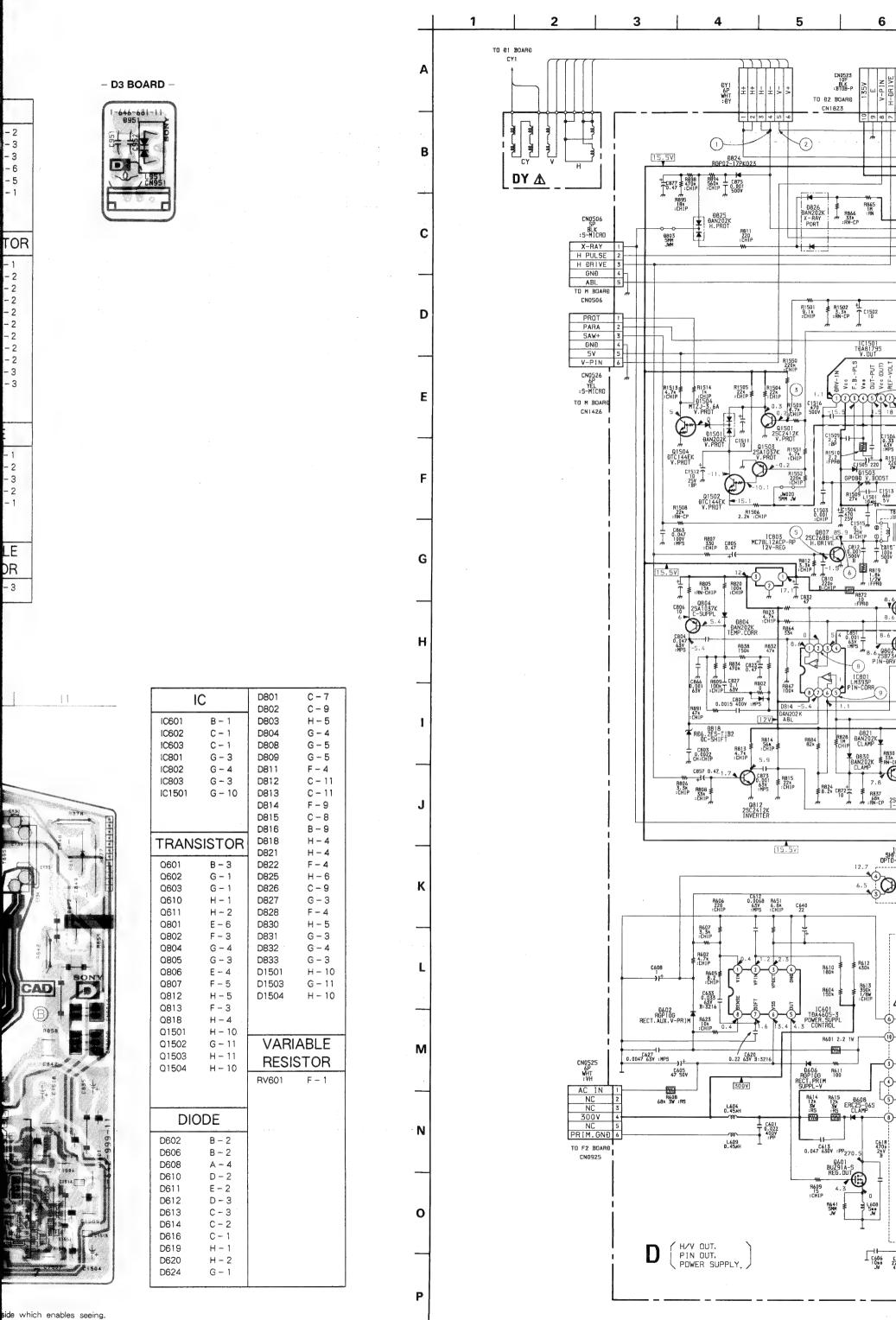
- D3 BOA

- Pattern from the side which enables seeing.
- · Pattern of the rear side.

- D BOARD -



- · Pattern from the side which enables seeing.
- Pattern of the rear side.



6

RB21 1.2k 3W :RS

图 7

R035 2.2k :CHIP

D831 DAN202K PIN RESET-3

L602 0.45#H

P5604 2.7A

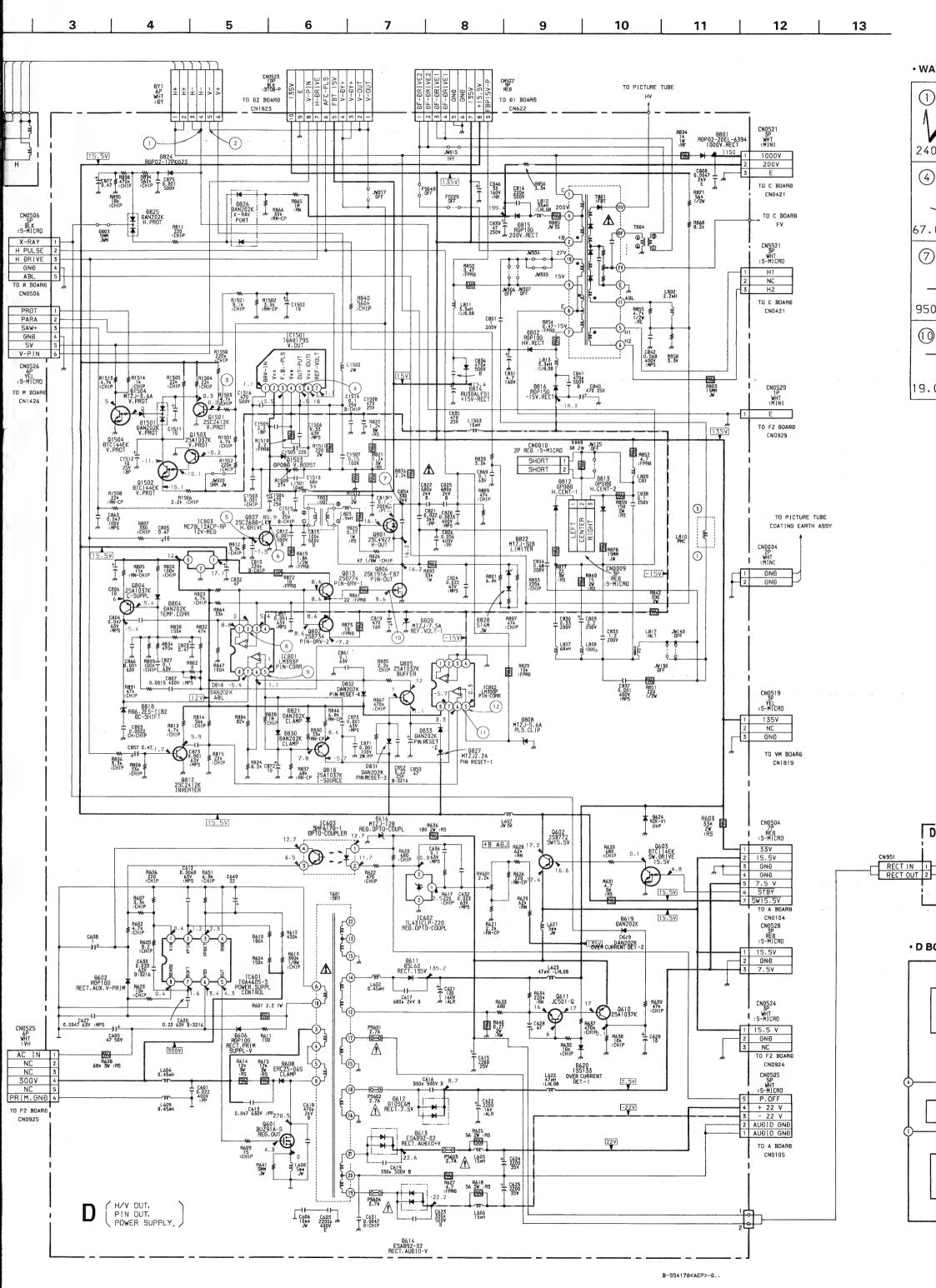
T 0:0047

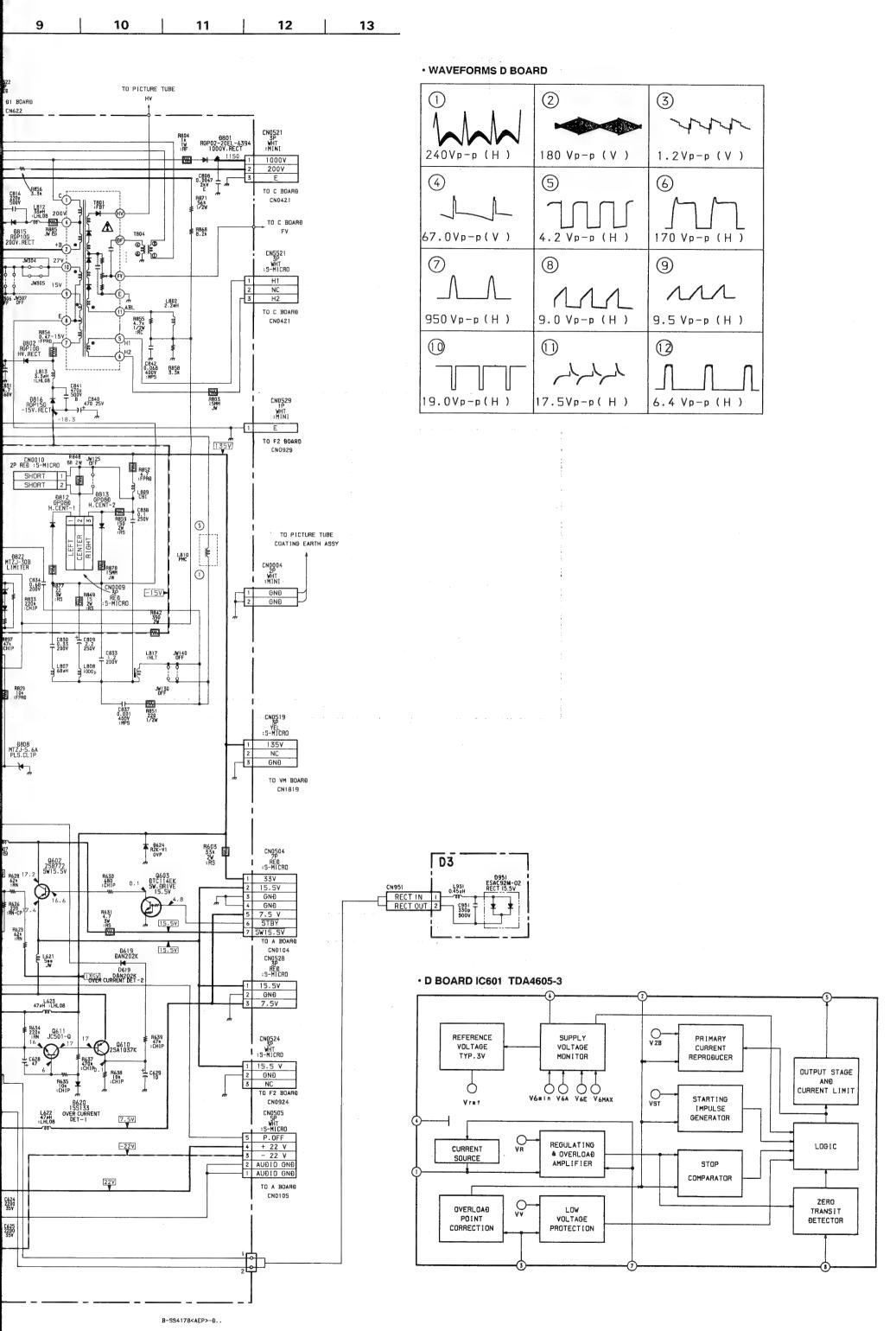
0.1 63V

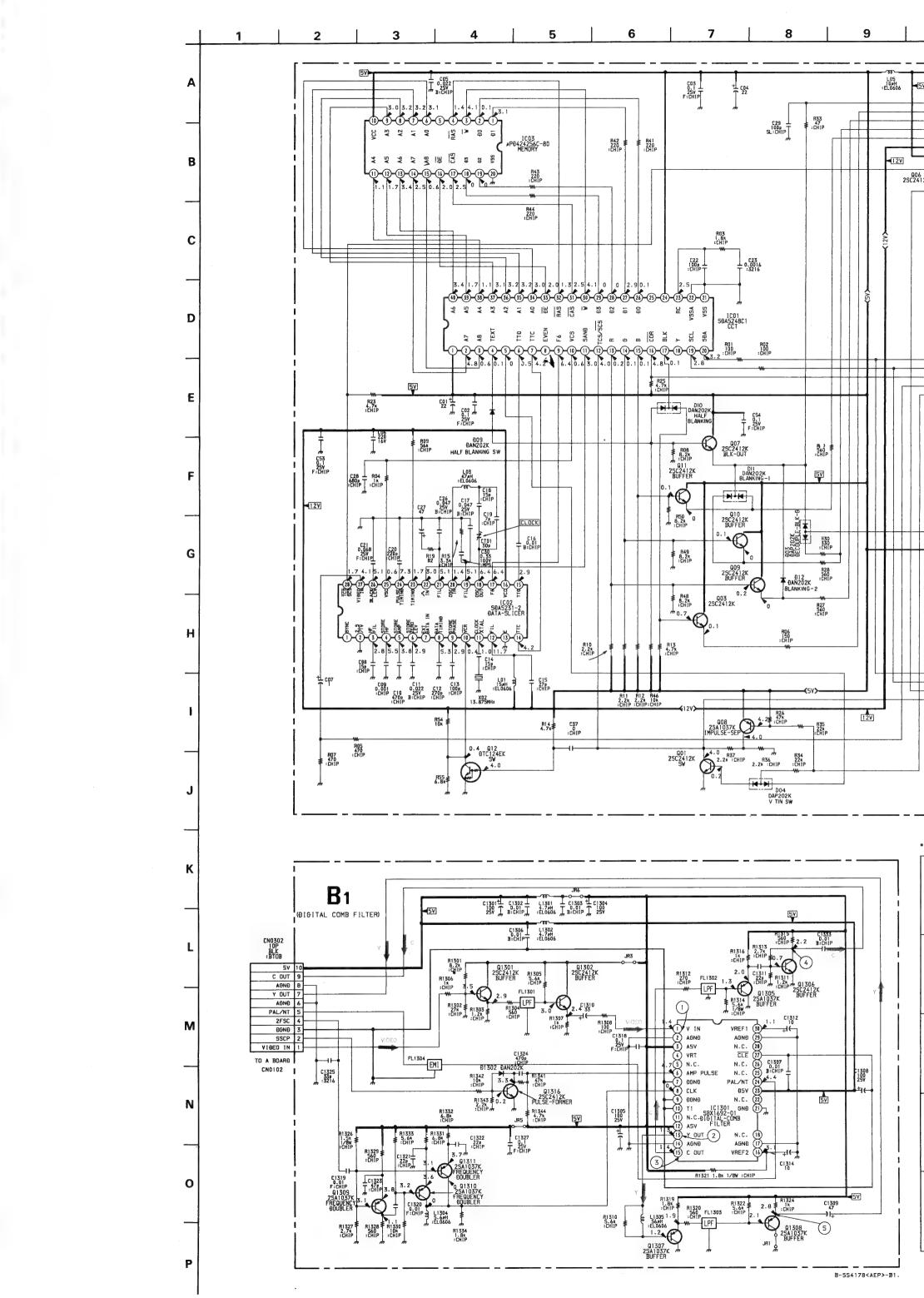
T601 : SRT

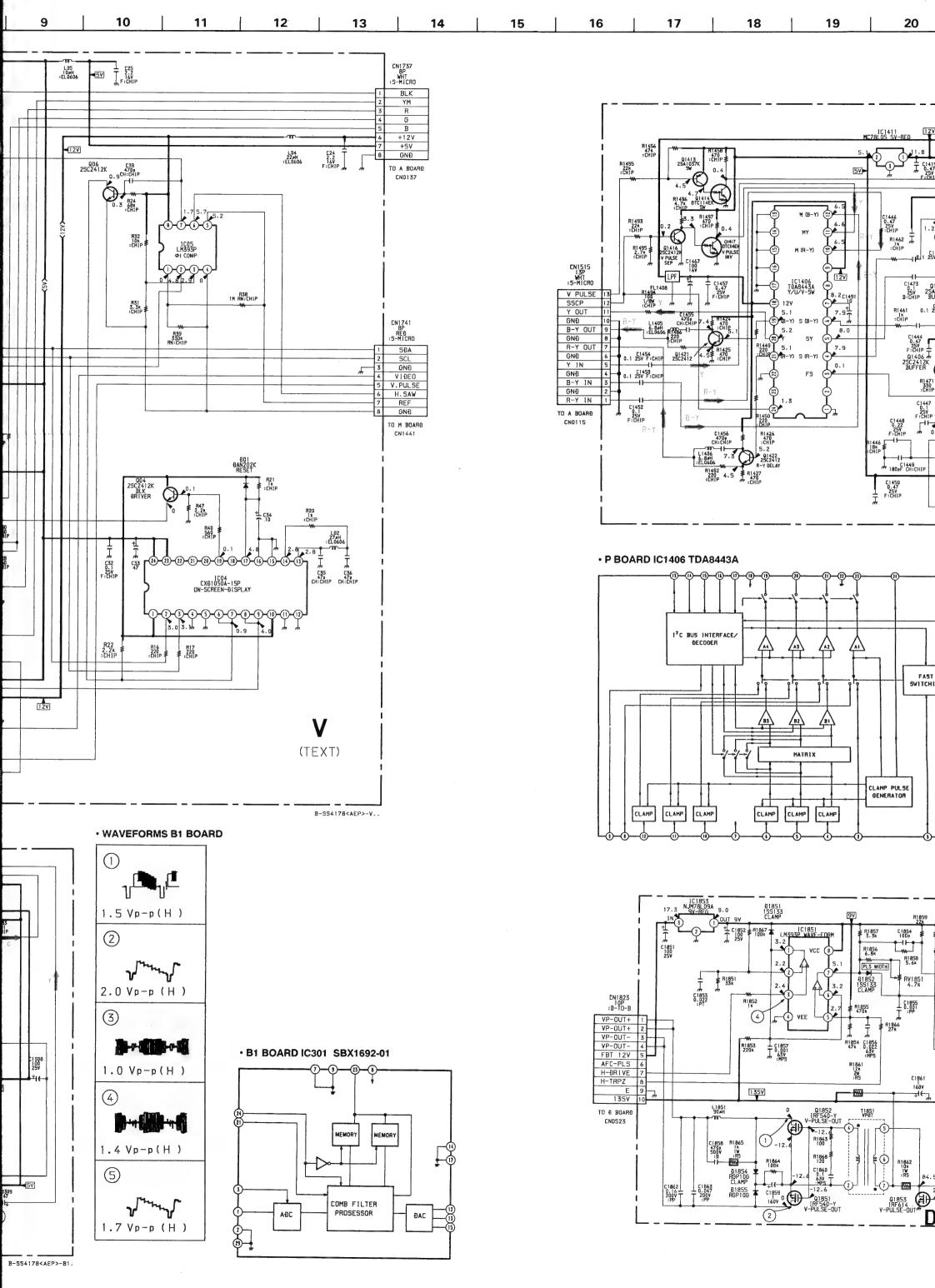
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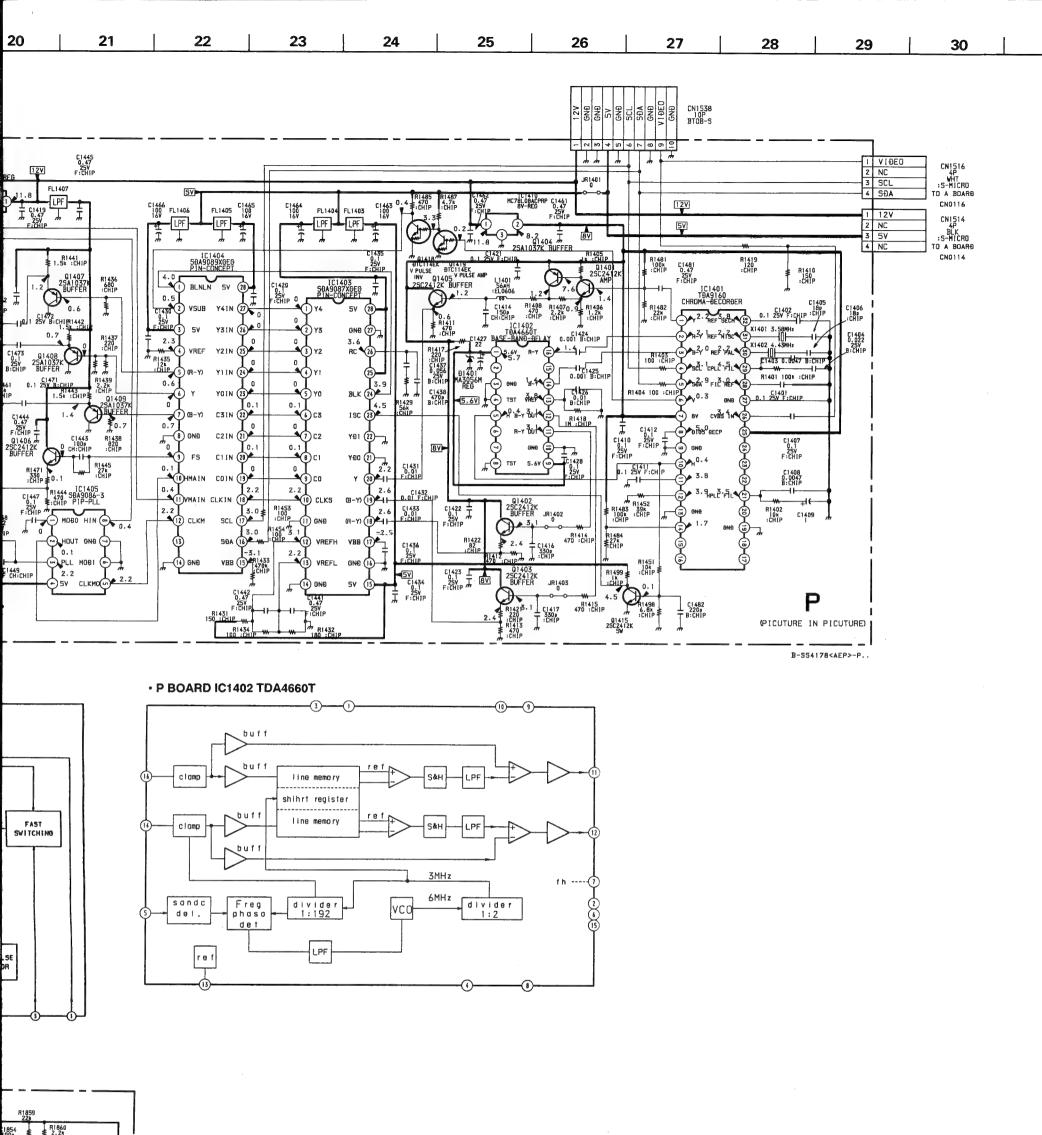
-66 -

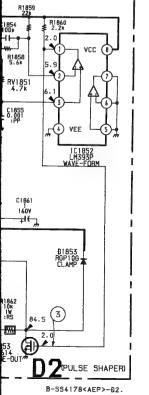




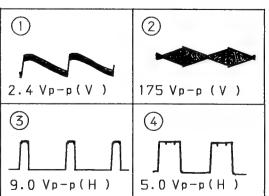








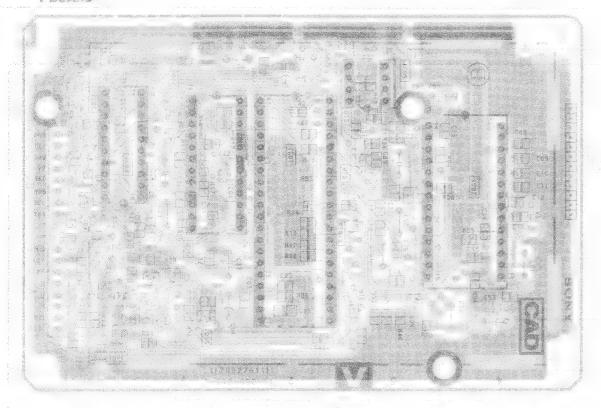
• WAVEFORMS D2 BOARD



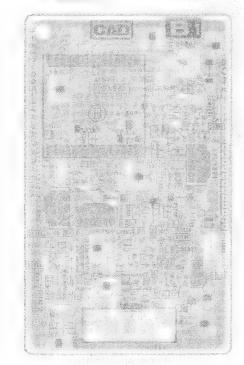
31



- V BOARD -



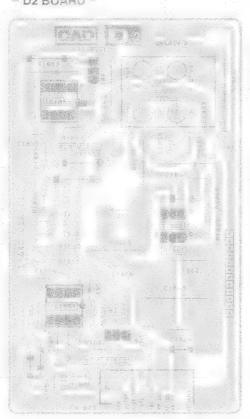
- BI BOARD -

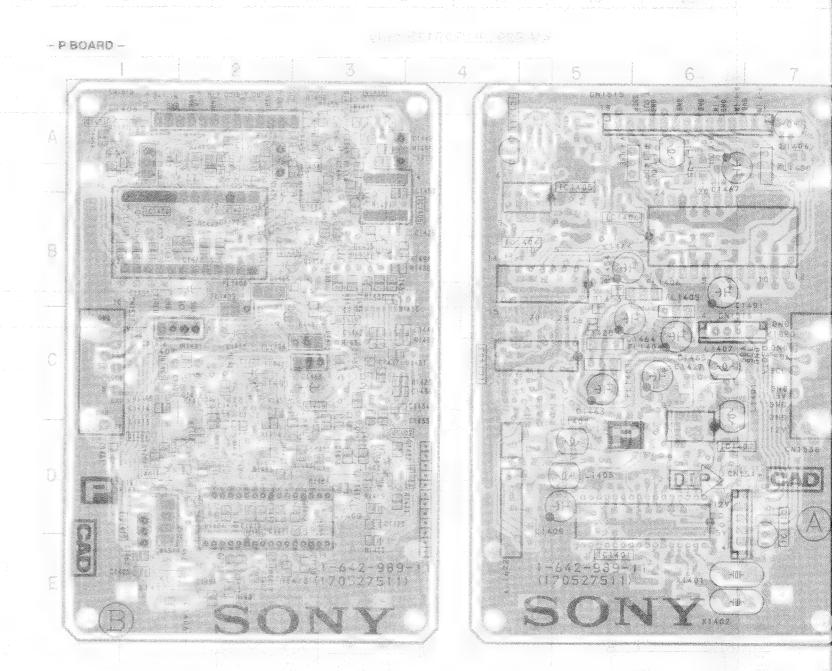


Note:

- : Pattern from the side which enables seeing.
- · Pattern of the rear side.

- D2 BOARO -

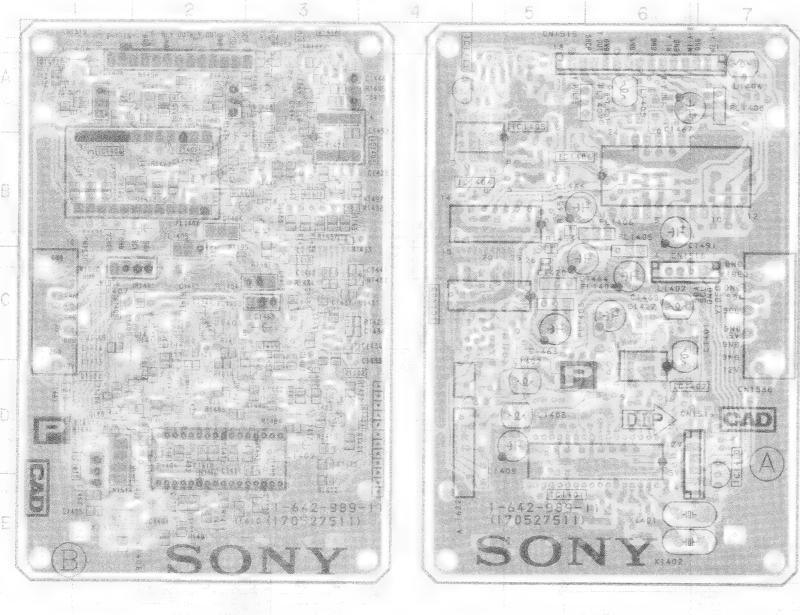




Note:

- Pattern of the rear side
- * Market : Pattern of the rear side.

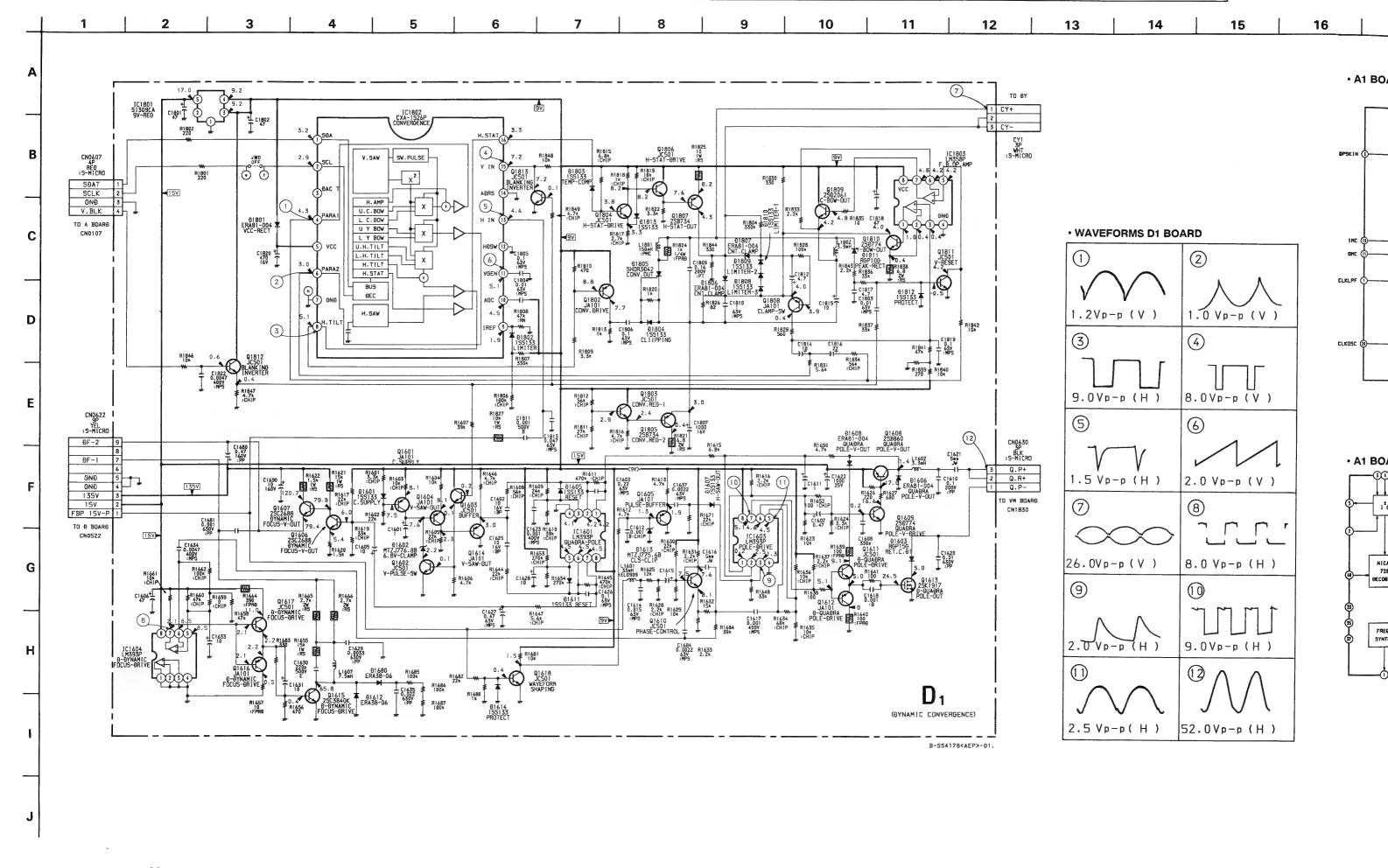


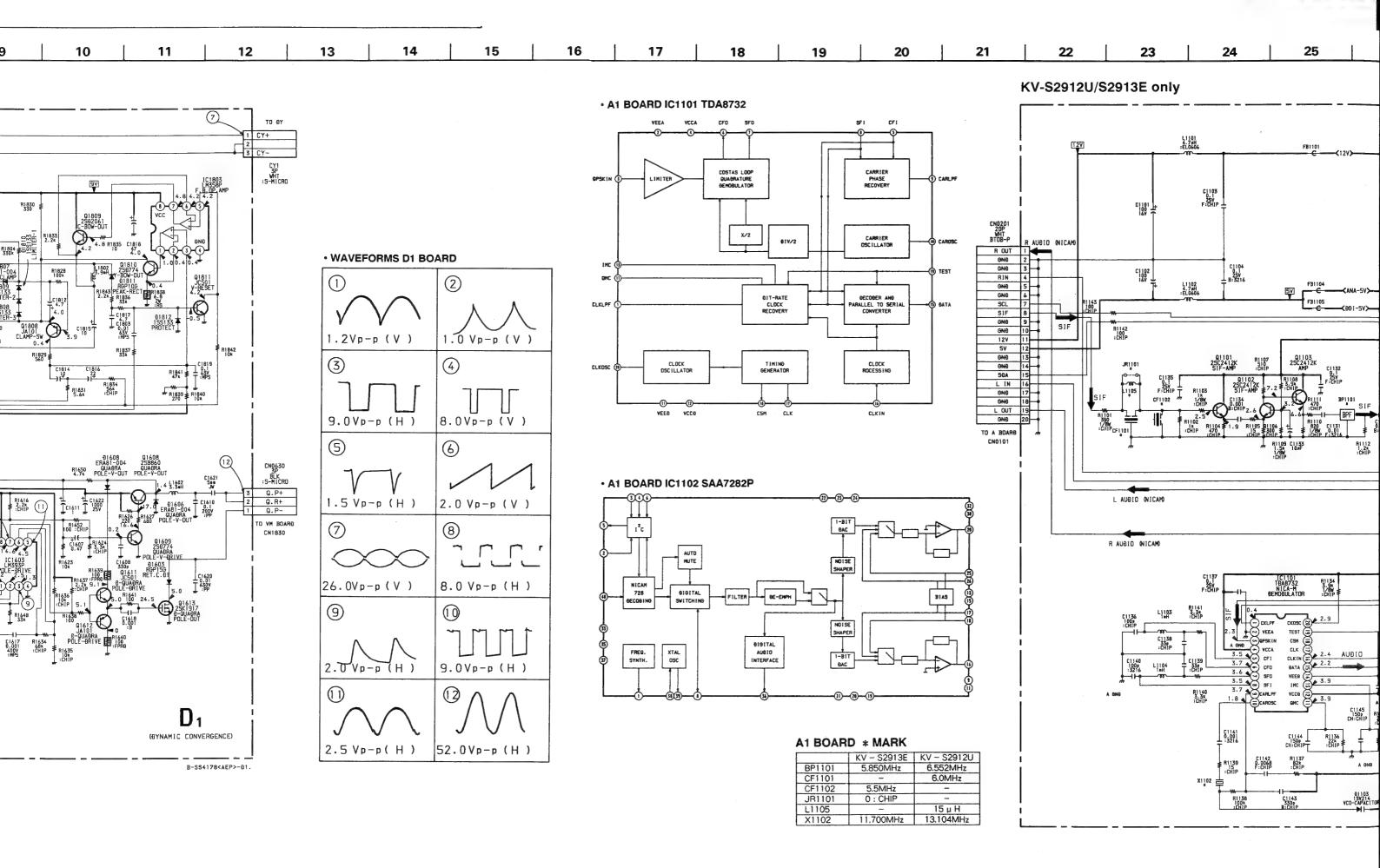


| | IC | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| | IC1401 D - 2 IC1402 D - 6 IC1403 C - 5 IC1404 B - 5 IC1405 B - 3 IC1406 B - 2 IC1410 D - 1 IC1411 A - 3 | | | | | |
| -7- | TRANSISTOR | | | | | |
| | Q1401 D-1 Q1402 D-3 Q1403 D-3 Q1403 D-2 Q1405 C-2 Q1406 B-3 Q1407 A-2 Q1408 A-3 Q1409 B-3 Q1413 A-3 Q1414 A-3 Q1415 D-3 Q1416 A-3 Q1417 B-3 Q1418 B-3 Q1419 C-3 Q1421 A-2 | | | | | |
| Control and Control of the Act | Q1422 A-1 | | | | | |
| AND THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN THE PERSON NAMED IN THE PERSO | DIODED | | | | | |
| | D1401 C - 2 | | | | | |

Note:

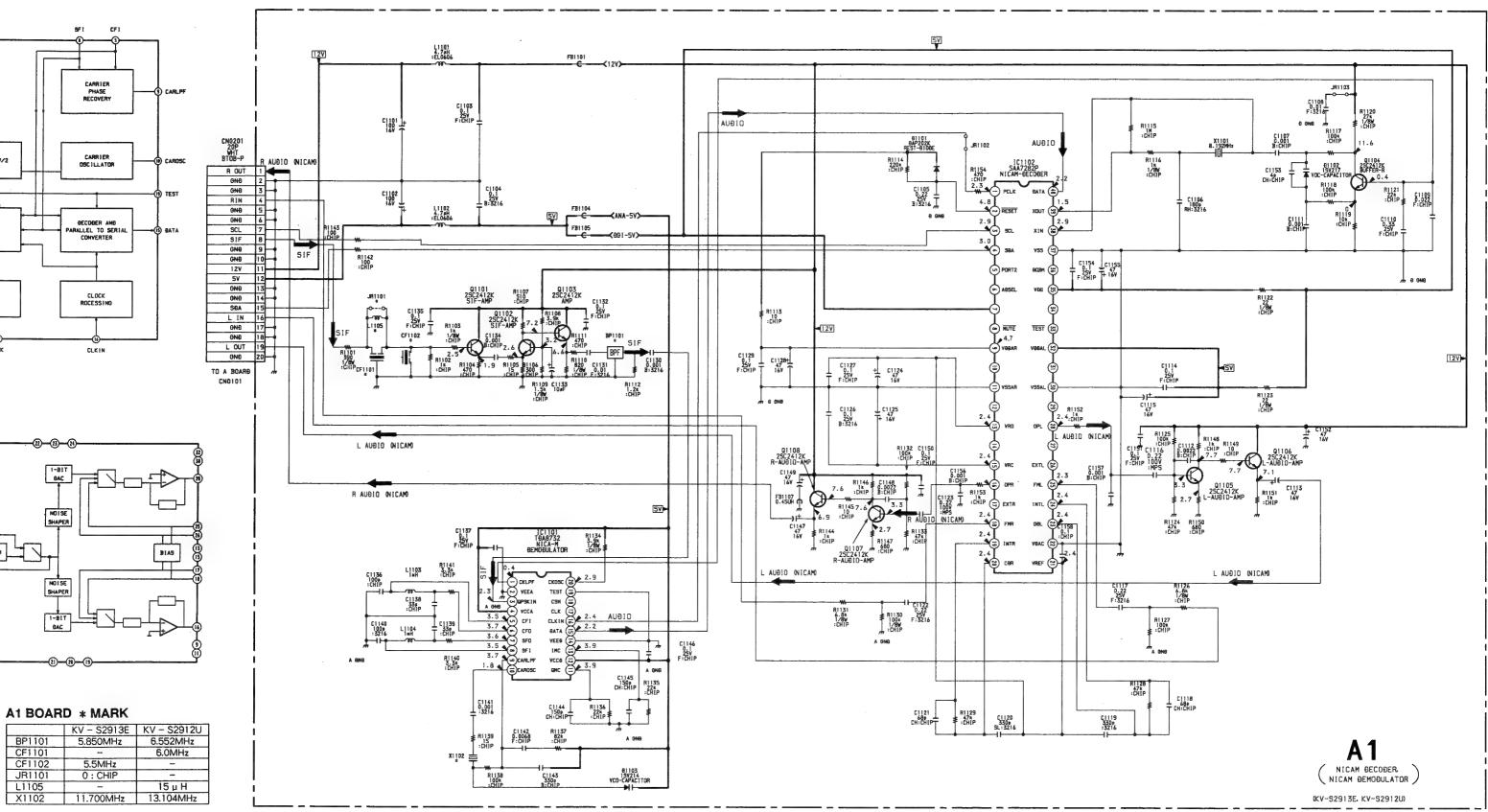
· Pattern of the rear side.









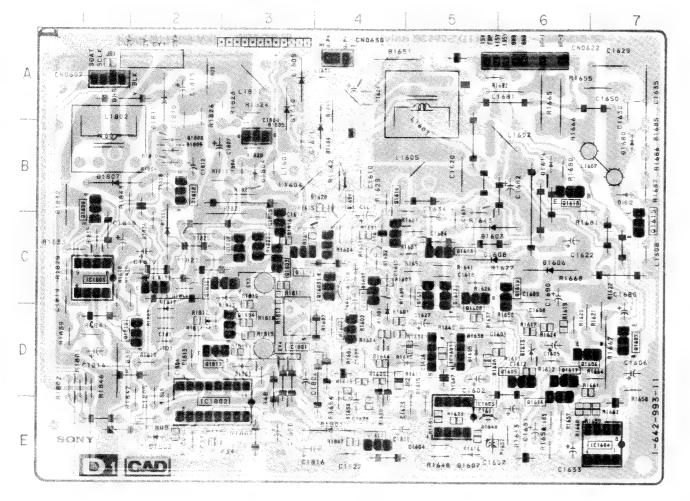


B-SS4178<AEP>-A1.



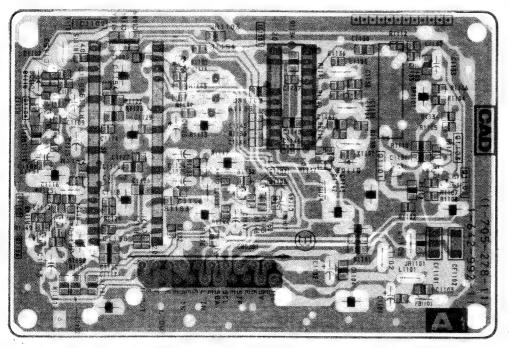
A1 [NICAM DECODER, NICAM DEMODULATOR] KV-S2912U/S2913E only

- D1 BOARD -

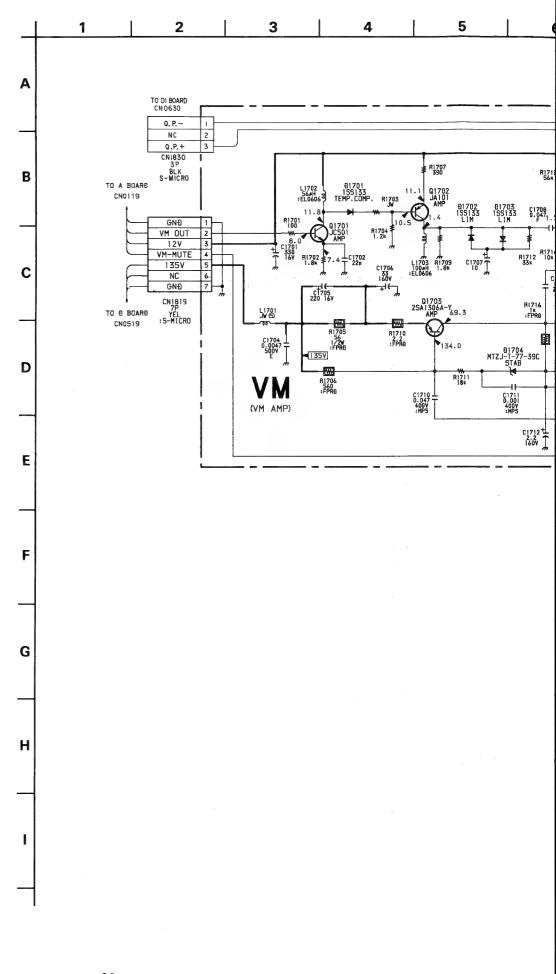


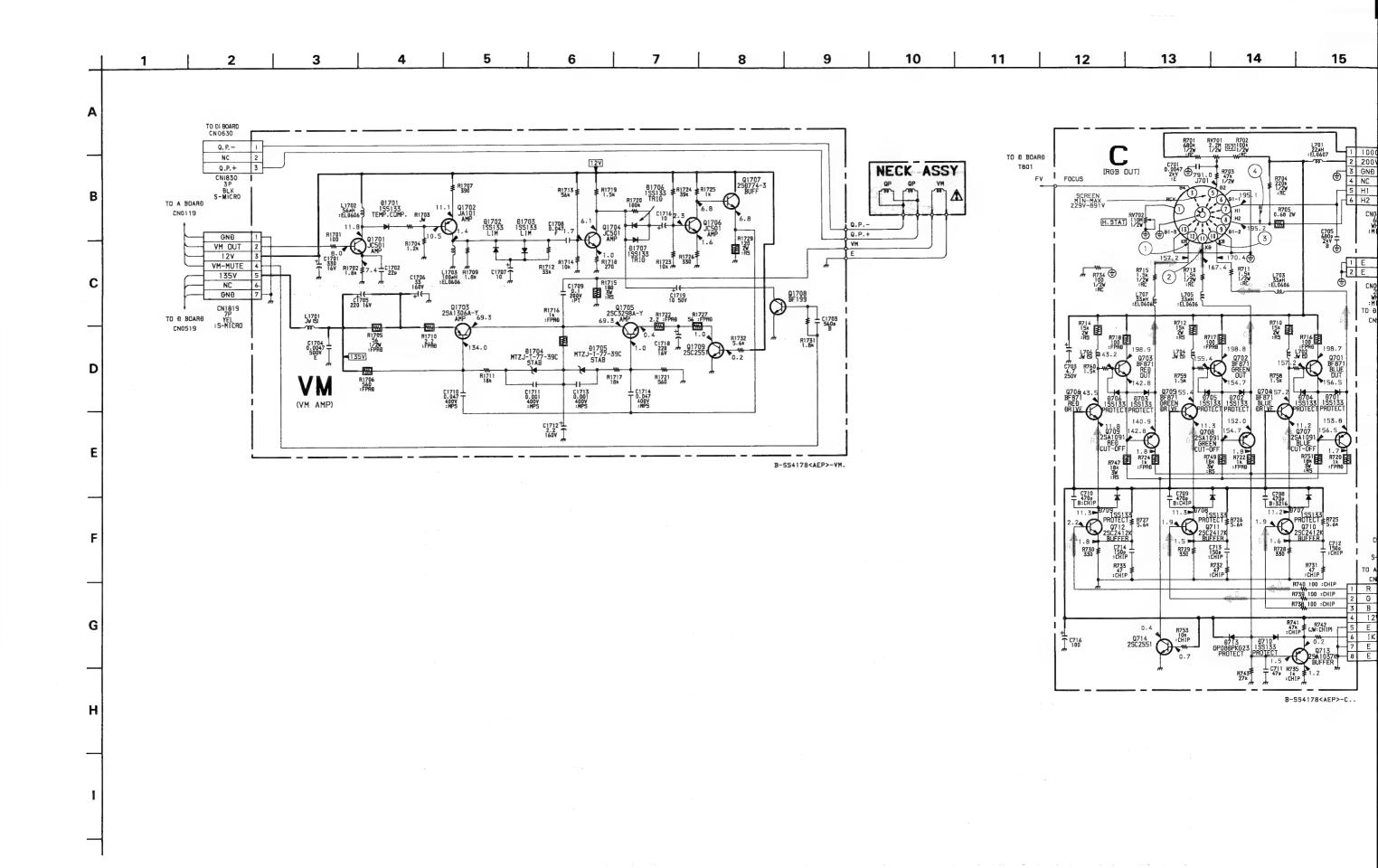
| IC | | DIODE | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------|
| IC1601 IC1603 IC1604 IC1801 IC1802 IC1803 | D - 5 E - 5 E - 7 D - 3 E - 2 C - 1 | D1601 D1602 D1603 D1605 D1606 D1607 D1608 D1611 | D-4 C-4 C-5 D-5 C-6 D-5 C-5 D-5 B-7 |
| TRANSISTOR | | D1613 | D - 6 |
| Q1601 Q1602 Q1603 Q1604 Q1605 Q1606 Q1607 Q1608 Q1609 Q1610 Q1611 Q1612 Q1613 Q1614 Q1615 Q1616 Q1617 Q1618 Q1801 Q1802 Q1803 Q1804 Q1805 Q1806 Q1807 Q1808 Q1809 Q1810 Q1811 | C-4 D-4 C-4 C-4 D-6 D-7 C-5 C-5 C-5 C-5 C-7 D-6 B-6 C-3 C-3 C-3 C-3 C-3 C-3 C-3 C-3 C-3 C-3 | D1612 | |
| Q1812 Q1813 | E – 4 D – 2 | | |

- A1 BOARD - KV-S2912U/S2913E only



- · : Pattern from the side which enables seeing.
- :: Pattern of the rear side.





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ODE

C - 4

C - 5

D - 5 C - 6

D - 5

C = 5 D = 5 B = 7

D - 6

B - 6 B - 7 E - 4

E ~ 2

D - 3

B - 3

B-3 C-2 B-1 B-2

B - 2

B-2

A - 2

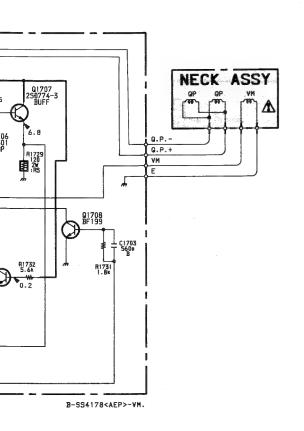
D - 2 C - 3

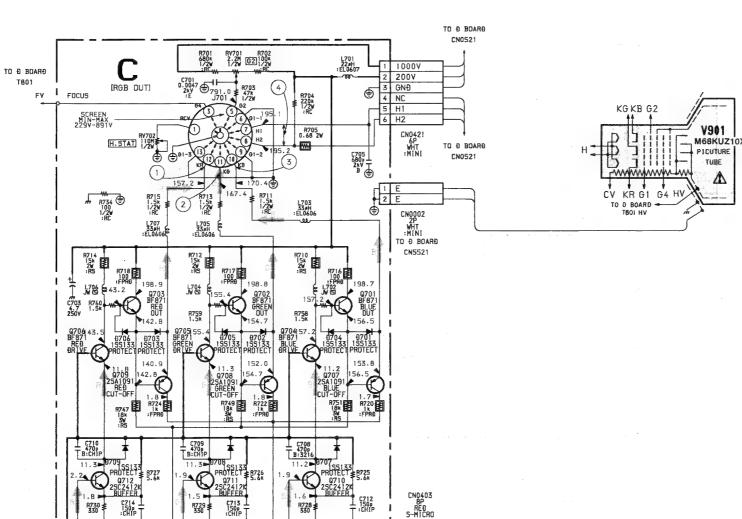
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T 5716

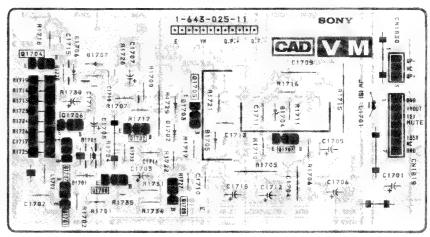




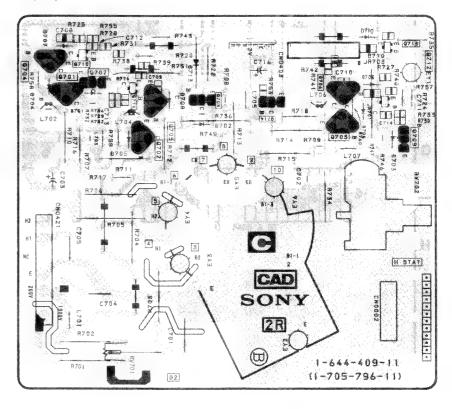


B-SS4178<AEP>-C..

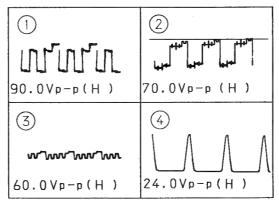
- VM BOARD -

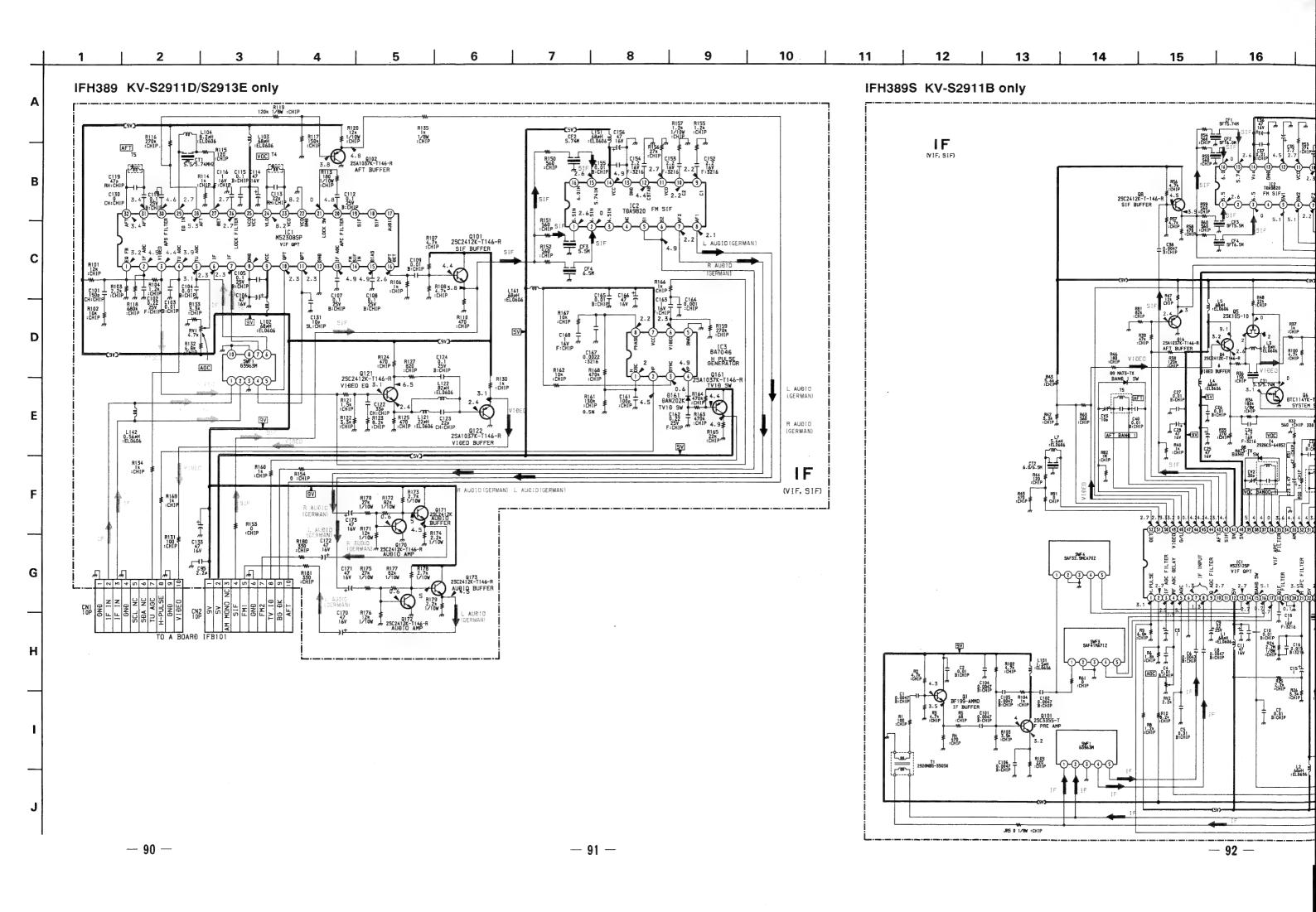


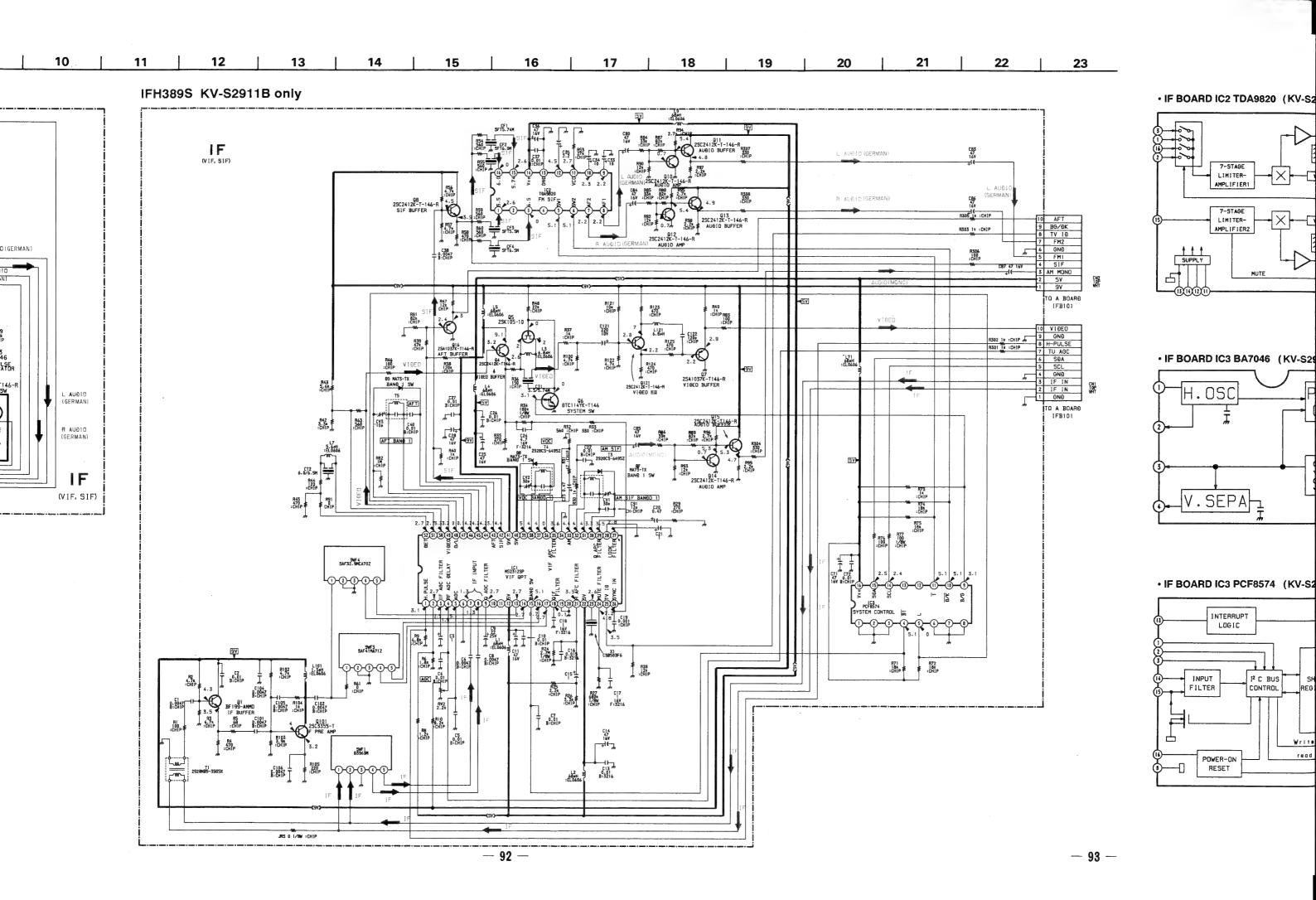
- C BOARD -

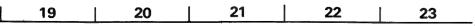


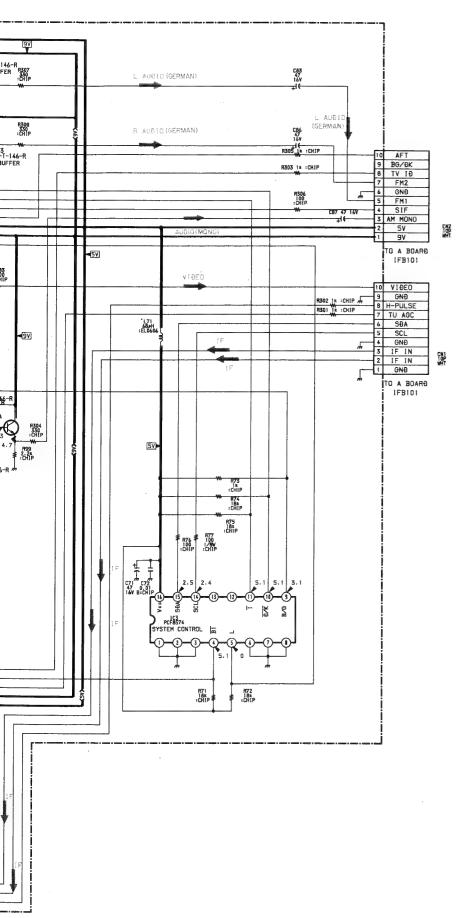
• WAVEFORMS C BOARD



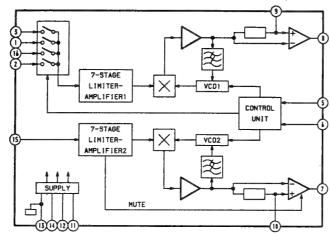




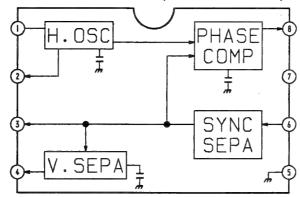




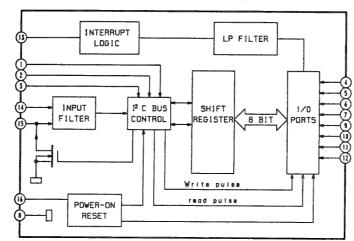
• IF BOARD IC2 TDA9820 (KV-S2911D/S2913E)



• IF BOARD IC3 BA7046 (KV-S2911D/S2913E)

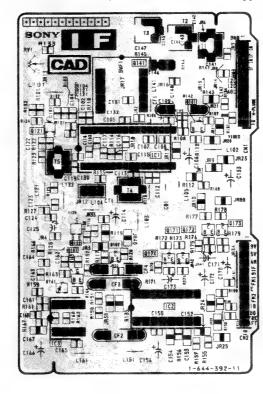


• IF BOARD IC3 PCF8574 (KV-S2911B)

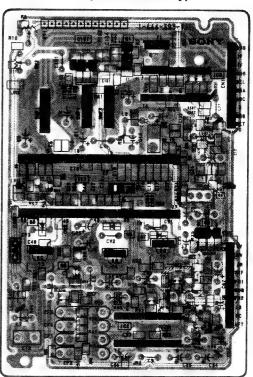


IF [VIF, SIF]

- IF BOARD - (KV-S2911D/S2913E only)



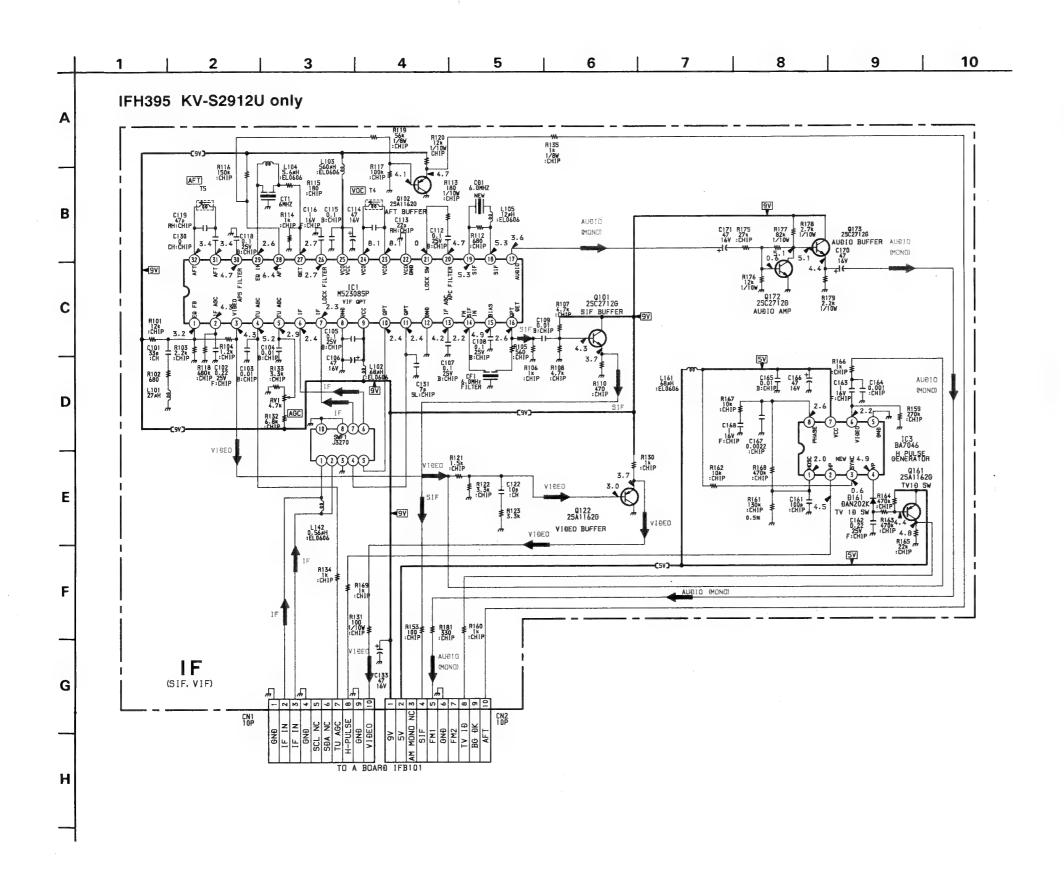
- IF BOARD - (KV-S2911B only)



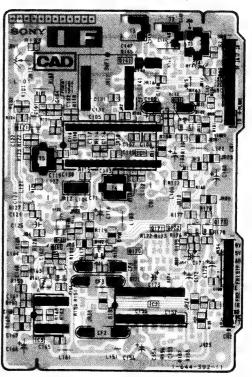
Note:

• : Pattern of the rear side.

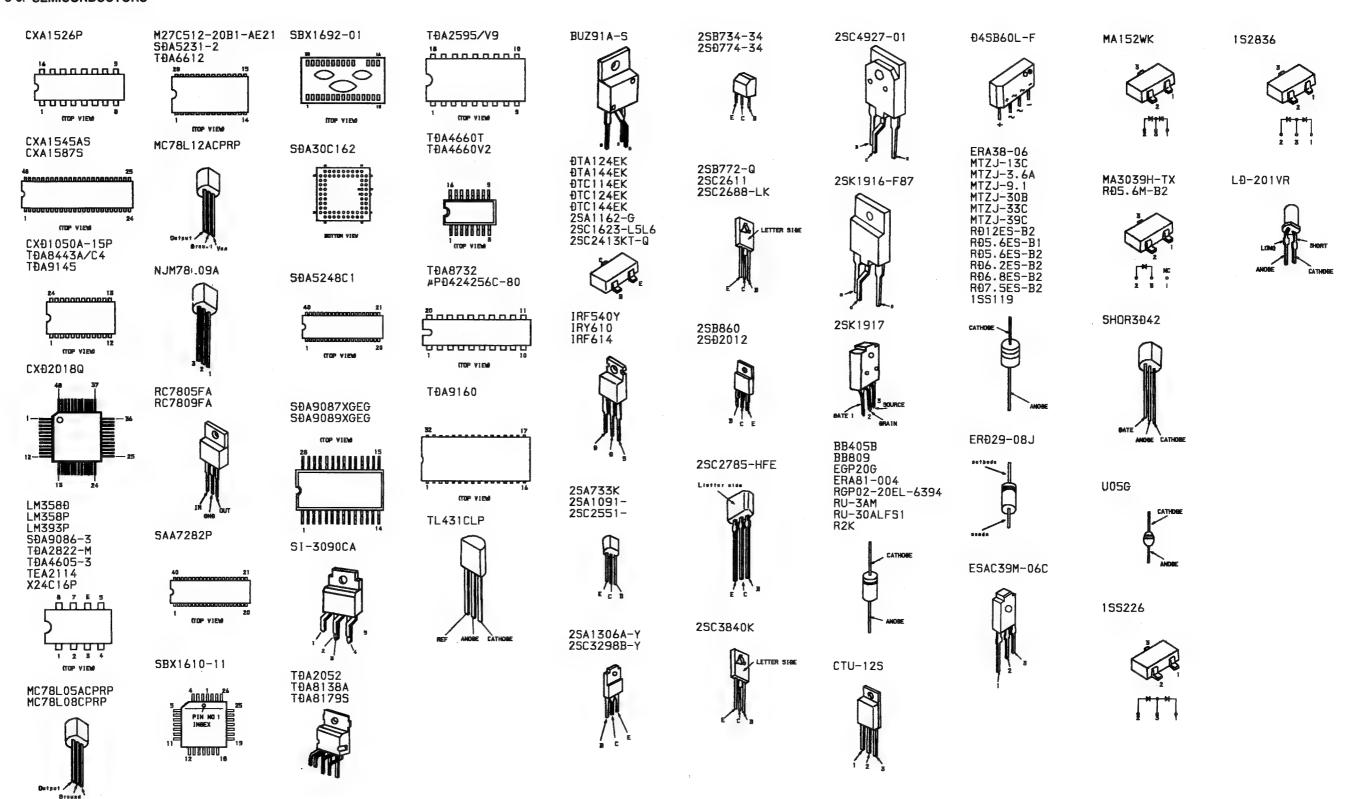
ande which enables seeing.



- IF BOARD -- (KV-S2912U only)



5-5. SEMICONDUCTORS



SECTION 6 **EXPLODED VIEWS**

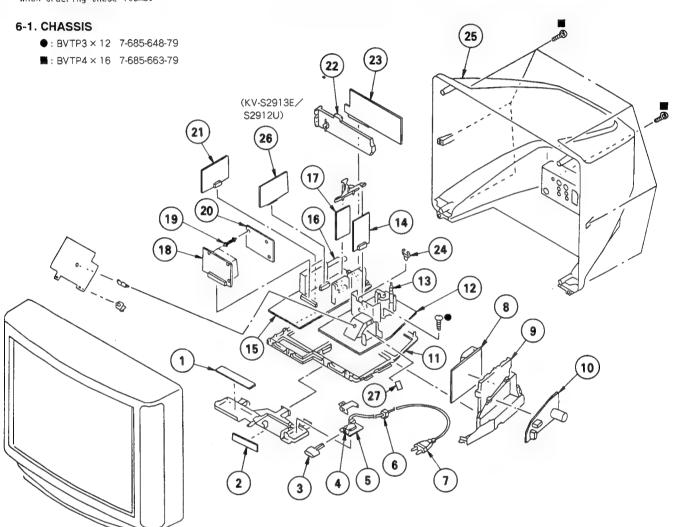
NOTE:

- NOTE:
 Items with no part number and no description are not stocked because they are seldom required for routine service.
 The construction parts of an assembled part are indicated with a collation number in the remark column.
 Items marked " * are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark A are critical for safety.

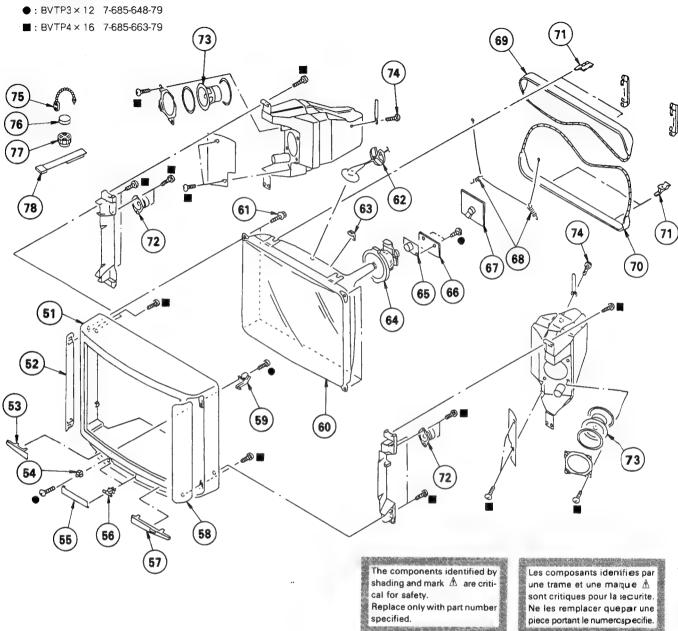
Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



| REF.NO. PART NO. | DESCRIPTION | REMARK | REF. NO | . PART NO. | DESCRIPTION | REMARK |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------|
| 4 1-571-433-12 | H1 BOARD H2 BOARD BUTTON, POWER SWITCH, PUSH (AC POWER) F1 BOARD, COMPLETE | | 16 | *A-1297-008-A *A-1297-012-A A.1-693-184-11 | A BOARD, COMPLETE A BOARD, COMPLETE A BOARD, COMPLETE TUNER (U944C) (KV- TUNER (UV916H) (KV | (KV-S2911D, S2913E) (KV-S2912U) |
| 7 A 1-590-501-11 A 1-590-762-11 | HOLDER, AC CORD CORD, POWER (WITH NOISE FILTER) (KV-S2911B, S2911D CORD, POWER (WITH PLUG) (KV-S291 D1 BOARD, COMPLETE | S2913E) | 18 | *A-1635-001-A *4-385-948-01 *A-1347-069-A | | |
| 11 *4-202-141-01 12 *A-1346-074-A 13 A.1-439-524-11 | BRACKET, F F2 BOARD, COMPLETE BRACKET, MAIN D BOARD, COMPLETE TRANSFORMER ASSY, FLYBACK (NX-30) D2 BOARD, COMPLETE | 27 00A2) | 22 23 24 25 26 | *4-202-135-01 *A-1388-145-A *3-646-071-00 4-202-146-01 *A-1292-247-A *A-1292-248-A *1-646-681-11 | | |

6-2. PICTURE TUBE



| REF.NO. PART NO. DESCRIPTION | REMARK | REF.N | O. PART NO. | DESCRIPTION | REMARK |
|------------------------------|-------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | SPEAKER (KV-S2911B, S2911D) (KV-S2912U, S2913E) | 66 67 68 69 | *A-1342-189-A *A-1331-223-A 4-369-318-00 A. 1-402-715-11 4-202-112-01 1-504-121-21 1-504-145-11 4-384-096-01 4-308-870-00 1-452-032-00 1-452-094-00 | NECK ASSY, PICTURE TUBE (NA32) VM BOARD, COMPLETE C BOARD, COMPLETE SPRING, TENSION COIL, DEGAUSSING CLIP SPEAKER (SQUAWKER) (5CM) SPEAKER (12CM) SCREW (4X16), TAPPING, +P CLIP, LEAD WIRE MAGNET, DISK; 10MM MAGNET, ROTATABLE DISK; 15MM PERMALLOY ASSY, CONVERGENCE | \$ a file of the control of the contr |

SECTION 7 **ELECTRICAL PARTS LIST**

NOTE:

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When indicating parts by reference number, please include the board name.

CAPACITORS

COILS

• MF : μF, PF : μμF

• MMH : inH, UH : μH

RESISTORS

- · All resistors are in ohms
- F : nonflammable

| REF.NO. | PART NO. | DESCRIPTION | | REMARK | REF.NO. | PART NO. | DESCRIPTION | N - | RE | MARK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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----------------------------------------------------------------------------------------------------------------------|-----|--|--|-------|--------------|-------------|------------------------------|----------------|--|-------|--------------|---------------|--|--|----------------|------------------------------|----------------------------|------------------------------|----------------|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------|------|--|--|-------|--------------|-------------|---------|------|--|--------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---|--|----------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------|--|--|------|--|--|--|----------------|------------------------------|--|------------------|----------------|--|---------|--|---------------|--|--|-------------------------|----------------------------------------------|-------------------------------------------|------------------------------|------------------------|--|--|---------------------|--|--|--|-------|----------------------------------------------|-------------|-----------------------------|-------------------------|--|
| | *A-1131-037-A | B1 BOARD, COMPLETE | | | L1302 L1304 L1305 | 1-408-405-00 1-408-406-00 1-408-418-00 | INDUCTOR INDUCTOR INDUCTOR | 4.7UH 5.6UH 56UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td><tr <="" td=""><td>NSISTOR></td><td></td><td></td><td></td></tr><tr><td>C1301 C1302 C1303 C1304 C1305</td><td>1-124-478-11 1-164-232-11 1-164-232-11 1-124-478-11 1-124-478-11</td><td>BLECT 100MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF ELECT 100MF ELECT 100MF</td><td>20% 10% 10% 20% 20%</td><td>25V 50V 50V 25V 25V</td><td>Q1301 Q1302 Q1305 Q1306 Q1307</td><td>8-729-120-28 8-729-120-28 8-729-216-22 8-729-120-28</td><td>TRANSISTOR : TRANSISTOR : TRANSISTOR : TRANSISTOR :</td><td>2SC1623-L5L6 2SC1623-L5L6 2SA1162-G 2SC1623-L5L6</td><td></td><td></td></tr><tr><td>C1306 C1307 C1308 C1309 C1310</td><td>1-164-232-11 1-164-232-11 1-124-478-11 1-124-910-11 1-124-917-11</td><td>CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF ELECT 100MF ELECT 47MF ELECT 33MF</td><td>10% 10% 20% 20% 20%</td><td>50V 50V 25V 50V 50V</td><td>Q1308 Q1309 Q1310 Q1311</td><td>8-729-216-22 8-729-216-22 8-729-216-22 8-729-216-22</td><td>TRANSISTOR : TRANSISTOR : TRANSISTOR : TRANSISTOR :</td><td>2SA1162-G 2SA1162-G 2SA1162-G 2SA1162-G</td><td></td><td></td></tr><tr><td>C1311 C1312</td><td>1-163-101-00</td><td>CERAMIC CHIP 22PF ELECT 10MF ELECT 10MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF</td><td>5% 20%</td><td>50V 50V</td><td>Q1316</td><td>8-729-120-28</td><td>TRANSISTOR 2</td><td>2SC1623-L5L6</td><td></td><td></td></tr><tr><td>C1314 C1318</td><td>1-124-907-11 1-163-038-00</td><td>ELECT 10MF CERAMIC CHIP 0.1MF</td><td>20%</td><td>50V 25V</td><td></td><td></td><td>SISTOR></td><td></td><td></td><td></td></tr><tr><td>C1319</td><td>1-163-031-11</td><td>CERAMIC CHIP O.OIMF</td><td></td><td>50V</td><td>JR1 JR2</td><td>1-216-295-00 1-216-295-00</td><td>METAL GLAZE METAL GLAZE</td><td>0 5% 0 5%</td><td>1/10W 1/10W</td><td></td></tr><tr><td>C1320 C1321 C1322</td><td>1-163-031-11 1-163-101-00 1-163-101-00</td><td>CERAMIC CHIP 0.01MF CERAMIC CHIP 22PF CERAMIC CHIP 22PF CERAMIC CHIP 47PF CERAMIC CHIP 470PF</td><td>5% 5%</td><td>50V 50V 50V</td><td>JR3 JR4 JR5</td><td>1-216-295-00 1-216-295-00 1-216-295-00 1-216-296-00 1-216-296-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>0 5% 0 5%</td><td>1/10W 1/8W 1/8W</td><td></td></tr><tr><td>C1323 C1324</td><td>1-163-109-00 1-163-133-00</td><td>CERAMIC CHIP 47PF CERAMIC CHIP 470PF</td><td>5% 5%</td><td>50V 50V</td><td>JR6</td><td>1-216-295-00</td><td>METAL GLAZE</td><td></td><td>1/10W</td><td></td></tr><tr><td>C1325 C1327 C1333</td><td>1-163-169-00 1-163-038-00 1-164-232-11</td><td>CERAMIC CHIP 33PF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF</td><td>5% 10%</td><td>50V 25V 50V</td><td>JR7 R1301 R1302 R1303</td><td>1-216-295-00 1-216-071-00 1-216-083-00 1-216-051-00</td><td>METAL GLAZE</td><td>0 5% 0 5% 8.2K 5% 27K 5% 1.2K 5%</td><td>1/10W 1/10W 1/10W 1/10W</td><td></td></tr><tr><td></td><td><con< td=""><td>NECTOR></td><td></td><td></td><td>R1304 R1305</td><td>1-216-043-00 1-216-067-00</td><td>METAL GLAZE METAL GLAZE</td><td>560 5% 5.6K 5%</td><td>1/10W 1/10W</td><td></td></con<></td></tr><tr><td>CN0302*</td><td>1-573-299-11</td><td>NECTOR></td><td>OARD 10P</td><td></td><td>R1306 R1307 R1308</td><td>1-216-049-00 1-216-049-00 1-216-025-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>1K 5% 1K 5% 100 5%</td><td>1/10W 1/10W 1/10W</td><td></td></tr><tr><td></td><td><dio< td=""><td>DE></td><td></td><td></td><td>R1310</td><td>1-216-067-00</td><td>METAL GLAZE</td><td>5.6K 5% 1.2K 5% 270 5%</td><td>1/10W 1/10W</td><td></td></dio<></td></tr><tr><td>D1302</td><td>8-719-400-18</td><td>DIODE MA152WK</td><td></td><td></td><td>R1312 R1313</td><td>1-216-035-00 1-216-059-00</td><td>METAL GLAZE METAL GLAZE</td><td>270 5% 2.7K 5% 5.6K 5%</td><td>1/10W 1/10W</td><td></td></tr><tr><td></td><td><fil< td=""><td>TER></td><td></td><td></td><td>R1314</td><td>1-216-216-00</td><td>METAL GLAZE</td><td>5.6k 5%</td><td>1/8₩</td><td></td></fil<></td></tr><tr><td>FL1301 FL1302 FL1303 FL1304</td><td>1-236-620-11 1-236-620-11 1-236-620-11 1-236-164-11</td><td>DE> DIODE MAI52WK TER> FILTER, LOW PASS FILTER, LOW PASS FILTER, LOW PASS ENCAPSULATED COMPONEN</td><td>T</td><td></td><td>R1316 R1319 R1320 R1321</td><td>1-216-043-00 1-216-049-00 1-216-055-00 1-216-043-00 1-216-204-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE</td><td>560 5% 1K 5% 1.8K 5% 560 5% 1.8K 5%</td><td>1/10W 1/10W 1/10W 1/10W 1/8W</td><td></td></tr><tr><td></td><td><10></td><td></td><td></td><td></td><td>R1322 R1324</td><td>1-216-067-00 1-216-049-00</td><td></td><td>5.6K 5% 1K 5%</td><td>1/10W 1/10W</td><td></td></tr><tr><td>I C1301</td><td></td><td>IC SBX1692-01</td><td></td><td></td><td>R1326 R1327 R1328</td><td>1-216-202-00 1-216-059-00 1-216-043-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>1.5K 5% 2.7K 5% 560 5%</td><td>1/8W 1/10W 1/10W</td><td></td></tr><tr><td></td><td><01 1-408-405-00</td><td></td><td></td><td></td><td>R1330</td><td>1-216-043-00 1-216-073-00 1-216-069-00</td><td>METAL GLAZE</td><td>560 5% 10K 5% 6.8K 5%</td><td>1/10W 1/10W 1/10W</td><td></td></tr></td></cap<> | ACITOR> | | | | <tr <="" td=""><td>NSISTOR></td><td></td><td></td><td></td></tr> <tr><td>C1301 C1302 C1303 C1304 C1305</td><td>1-124-478-11 1-164-232-11 1-164-232-11 1-124-478-11 1-124-478-11</td><td>BLECT 100MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF ELECT 100MF ELECT 100MF</td><td>20% 10% 10% 20% 20%</td><td>25V 50V 50V 25V 25V</td><td>Q1301 Q1302 Q1305 Q1306 Q1307</td><td>8-729-120-28 8-729-120-28 8-729-216-22 8-729-120-28</td><td>TRANSISTOR : TRANSISTOR : TRANSISTOR : TRANSISTOR :</td><td>2SC1623-L5L6 2SC1623-L5L6 2SA1162-G 2SC1623-L5L6</td><td></td><td></td></tr> <tr><td>C1306 C1307 C1308 C1309 C1310</td><td>1-164-232-11 1-164-232-11 1-124-478-11 1-124-910-11 1-124-917-11</td><td>CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF ELECT 100MF ELECT 47MF ELECT 33MF</td><td>10% 10% 20% 20% 20%</td><td>50V 50V 25V 50V 50V</td><td>Q1308 Q1309 Q1310 Q1311</td><td>8-729-216-22 8-729-216-22 8-729-216-22 8-729-216-22</td><td>TRANSISTOR : TRANSISTOR : TRANSISTOR : TRANSISTOR :</td><td>2SA1162-G 2SA1162-G 2SA1162-G 2SA1162-G</td><td></td><td></td></tr> <tr><td>C1311 C1312</td><td>1-163-101-00</td><td>CERAMIC CHIP 22PF ELECT 10MF ELECT 10MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF</td><td>5% 20%</td><td>50V 50V</td><td>Q1316</td><td>8-729-120-28</td><td>TRANSISTOR 2</td><td>2SC1623-L5L6</td><td></td><td></td></tr> <tr><td>C1314 C1318</td><td>1-124-907-11 1-163-038-00</td><td>ELECT 10MF CERAMIC CHIP 0.1MF</td><td>20%</td><td>50V 25V</td><td></td><td></td><td>SISTOR></td><td></td><td></td><td></td></tr> <tr><td>C1319</td><td>1-163-031-11</td><td>CERAMIC CHIP O.OIMF</td><td></td><td>50V</td><td>JR1 JR2</td><td>1-216-295-00 1-216-295-00</td><td>METAL GLAZE METAL GLAZE</td><td>0 5% 0 5%</td><td>1/10W 1/10W</td><td></td></tr> <tr><td>C1320 C1321 C1322</td><td>1-163-031-11 1-163-101-00 1-163-101-00</td><td>CERAMIC CHIP 0.01MF CERAMIC CHIP 22PF CERAMIC CHIP 22PF CERAMIC CHIP 47PF CERAMIC CHIP 470PF</td><td>5% 5%</td><td>50V 50V 50V</td><td>JR3 JR4 JR5</td><td>1-216-295-00 1-216-295-00 1-216-295-00 1-216-296-00 1-216-296-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>0 5% 0 5%</td><td>1/10W 1/8W 1/8W</td><td></td></tr> <tr><td>C1323 C1324</td><td>1-163-109-00 1-163-133-00</td><td>CERAMIC CHIP 47PF CERAMIC CHIP 470PF</td><td>5% 5%</td><td>50V 50V</td><td>JR6</td><td>1-216-295-00</td><td>METAL GLAZE</td><td></td><td>1/10W</td><td></td></tr> <tr><td>C1325 C1327 C1333</td><td>1-163-169-00 1-163-038-00 1-164-232-11</td><td>CERAMIC CHIP 33PF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF</td><td>5% 10%</td><td>50V 25V 50V</td><td>JR7 R1301 R1302 R1303</td><td>1-216-295-00 1-216-071-00 1-216-083-00 1-216-051-00</td><td>METAL GLAZE</td><td>0 5% 0 5% 8.2K 5% 27K 5% 1.2K 5%</td><td>1/10W 1/10W 1/10W 1/10W</td><td></td></tr> <tr><td></td><td><con< td=""><td>NECTOR></td><td></td><td></td><td>R1304 R1305</td><td>1-216-043-00 1-216-067-00</td><td>METAL GLAZE METAL GLAZE</td><td>560 5% 5.6K 5%</td><td>1/10W 1/10W</td><td></td></con<></td></tr> <tr><td>CN0302*</td><td>1-573-299-11</td><td>NECTOR></td><td>OARD 10P</td><td></td><td>R1306 R1307 R1308</td><td>1-216-049-00 1-216-049-00 1-216-025-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>1K 5% 1K 5% 100 5%</td><td>1/10W 1/10W 1/10W</td><td></td></tr> <tr><td></td><td><dio< td=""><td>DE></td><td></td><td></td><td>R1310</td><td>1-216-067-00</td><td>METAL GLAZE</td><td>5.6K 5% 1.2K 5% 270 5%</td><td>1/10W 1/10W</td><td></td></dio<></td></tr> <tr><td>D1302</td><td>8-719-400-18</td><td>DIODE MA152WK</td><td></td><td></td><td>R1312 R1313</td><td>1-216-035-00 1-216-059-00</td><td>METAL GLAZE METAL GLAZE</td><td>270 5% 2.7K 5% 5.6K 5%</td><td>1/10W 1/10W</td><td></td></tr> <tr><td></td><td><fil< td=""><td>TER></td><td></td><td></td><td>R1314</td><td>1-216-216-00</td><td>METAL GLAZE</td><td>5.6k 5%</td><td>1/8₩</td><td></td></fil<></td></tr> <tr><td>FL1301 FL1302 FL1303 FL1304</td><td>1-236-620-11 1-236-620-11 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GLAZE</td><td>560 5% 10K 5% 6.8K 5%</td><td>1/10W 1/10W 1/10W</td><td></td></tr> | NSISTOR> | | | | C1301 C1302 C1303 C1304 C1305 | 1-124-478-11 1-164-232-11 1-164-232-11 1-124-478-11 1-124-478-11 | BLECT 100MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF ELECT 100MF ELECT 100MF | 20% 10% 10% 20% 20% | 25V 50V 50V 25V 25V | Q1301 Q1302 Q1305 Q1306 Q1307 | 8-729-120-28 8-729-120-28 8-729-216-22 8-729-120-28 | TRANSISTOR : TRANSISTOR : TRANSISTOR : TRANSISTOR : | 2SC1623-L5L6 2SC1623-L5L6 2SA1162-G 2SC1623-L5L6 | | | C1306 C1307 C1308 C1309 C1310 | 1-164-232-11 1-164-232-11 1-124-478-11 1-124-910-11 1-124-917-11 | CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF ELECT 100MF ELECT 47MF ELECT 33MF | 10% 10% 20% 20% 20% | 50V 50V 25V 50V 50V | Q1308 Q1309 Q1310 Q1311 | 8-729-216-22 8-729-216-22 8-729-216-22 8-729-216-22 | TRANSISTOR : TRANSISTOR : TRANSISTOR : TRANSISTOR : | 2SA1162-G 2SA1162-G 2SA1162-G 2SA1162-G | | | C1311 C1312 | 1-163-101-00 | CERAMIC CHIP 22PF ELECT 10MF ELECT 10MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF | 5% 20% | 50V 50V | Q1316 | 8-729-120-28 | TRANSISTOR 2 | 2SC1623-L5L6 | | | C1314 C1318 | 1-124-907-11 1-163-038-00 | ELECT 10MF CERAMIC CHIP 0.1MF | 20% | 50V 25V | | | SISTOR> | | | | C1319 | 1-163-031-11 | CERAMIC CHIP O.OIMF | | 50V | JR1 JR2 | 1-216-295-00 1-216-295-00 | METAL GLAZE METAL GLAZE | 0 5% 0 5% | 1/10W 1/10W | | C1320 C1321 C1322 | 1-163-031-11 1-163-101-00 1-163-101-00 | CERAMIC CHIP 0.01MF CERAMIC CHIP 22PF CERAMIC CHIP 22PF CERAMIC CHIP 47PF CERAMIC CHIP 470PF | 5% 5% | 50V 50V 50V | JR3 JR4 JR5 | 1-216-295-00 1-216-295-00 1-216-295-00 1-216-296-00 1-216-296-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 0 5% 0 5% | 1/10W 1/8W 1/8W | | C1323 C1324 | 1-163-109-00 1-163-133-00 | CERAMIC CHIP 47PF CERAMIC CHIP 470PF | 5% 5% | 50V 50V | JR6 | 1-216-295-00 | METAL GLAZE | | 1/10W | | C1325 C1327 C1333 | 1-163-169-00 1-163-038-00 1-164-232-11 | CERAMIC CHIP 33PF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF | 5% 10% | 50V 25V 50V | JR7 R1301 R1302 R1303 | 1-216-295-00 1-216-071-00 1-216-083-00 1-216-051-00 | METAL GLAZE | 0 5% 0 5% 8.2K 5% 27K 5% 1.2K 5% | 1/10W 1/10W 1/10W 1/10W | | | <con< td=""><td>NECTOR></td><td></td><td></td><td>R1304 R1305</td><td>1-216-043-00 1-216-067-00</td><td>METAL GLAZE METAL GLAZE</td><td>560 5% 5.6K 5%</td><td>1/10W 1/10W</td><td></td></con<> | NECTOR> | | | R1304 R1305 | 1-216-043-00 1-216-067-00 | METAL GLAZE METAL GLAZE | 560 5% 5.6K 5% | 1/10W 1/10W | | CN0302* | 1 -573-299-11 | NECTOR> | OARD 10P | | R1306 R1307 R1308 | 1-216-049-00 1-216-049-00 1-216-025-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 1K 5% 1K 5% 100 5% | 1/10W 1/10W 1/10W | | | <dio< td=""><td>DE></td><td></td><td></td><td>R1310</td><td>1-216-067-00</td><td>METAL GLAZE</td><td>5.6K 5% 1.2K 5% 270 5%</td><td>1/10W 1/10W</td><td></td></dio<> | DE> | | | R1310 | 1-216-067-00 | METAL GLAZE | 5.6K 5% 1.2K 5% 270 5% | 1/10W 1/10W | | D1302 | 8-719-400-18 | DIODE MA152WK | | | R1312 R1313 | 1-216-035-00 1-216-059-00 | METAL GLAZE METAL GLAZE | 270 5% 2.7K 5% 5.6K 5% | 1/10W 1/10W | | | <fil< td=""><td>TER></td><td></td><td></td><td>R1314</td><td>1-216-216-00</td><td>METAL GLAZE</td><td>5.6k 5%</td><td>1/8₩</td><td></td></fil<> | TER> | | | R1314 | 1-216-216-00 | METAL GLAZE | 5.6k 5% | 1/8₩ | | FL1301 FL1302 FL1303 FL1304 | 1-236-620-11 1-236-620-11 1-236-620-11 1-236-164-11 | DE> DIODE MAI52WK TER> FILTER, LOW PASS FILTER, LOW PASS FILTER, LOW PASS ENCAPSULATED COMPONEN | T | | R1316 R1319 R1320 R1321 | 1-216-043-00 1-216-049-00 1-216-055-00 1-216-043-00 1-216-204-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 560 5% 1K 5% 1.8K 5% 560 5% 1.8K 5% | 1/10W 1/10W 1/10W 1/10W 1/8W | | | <10> | | | | R1322 R1324 | 1-216-067-00 1-216-049-00 | | 5.6K 5% 1K 5% | 1/10W 1/10W | | I C1301 | | IC SBX1692-01 | | | R1326 R1327 R1328 | 1-216-202-00 1-216-059-00 1-216-043-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 1.5K 5% 2.7K 5% 560 5% | 1/8W 1/10W 1/10W | | | <01 1-408-405-00 | | | | R1330 | 1-216-043-00 1-216-073-00 1-216-069-00 | METAL GLAZE | 560 5% 10K 5% 6.8K 5% | 1/10W 1/10W 1/10W | |
| NSISTOR> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1301 C1302 C1303 C1304 C1305 | 1-124-478-11 1-164-232-11 1-164-232-11 1-124-478-11 1-124-478-11 | BLECT 100MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF ELECT 100MF ELECT 100MF | 20% 10% 10% 20% 20% | 25V 50V 50V 25V 25V | Q1301 Q1302 Q1305 Q1306 Q1307 | 8-729-120-28 8-729-120-28 8-729-216-22 8-729-120-28 | TRANSISTOR : TRANSISTOR : TRANSISTOR : TRANSISTOR : | 2SC1623-L5L6 2SC1623-L5L6 2SA1162-G 2SC1623-L5L6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1306 C1307 C1308 C1309 C1310 | 1-164-232-11 1-164-232-11 1-124-478-11 1-124-910-11 1-124-917-11 | CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF ELECT 100MF ELECT 47MF ELECT 33MF | 10% 10% 20% 20% 20% | 50V 50V 25V 50V 50V | Q1308 Q1309 Q1310 Q1311 | 8-729-216-22 8-729-216-22 8-729-216-22 8-729-216-22 | TRANSISTOR : TRANSISTOR : TRANSISTOR : TRANSISTOR : | 2SA1162-G 2SA1162-G 2SA1162-G 2SA1162-G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1311 C1312 | 1-163-101-00 | CERAMIC CHIP 22PF ELECT 10MF ELECT 10MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF | 5% 20% | 50V 50V | Q1316 | 8-729-120-28 | TRANSISTOR 2 | 2SC1623-L5L6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1314 C1318 | 1-124-907-11 1-163-038-00 | ELECT 10MF CERAMIC CHIP 0.1MF | 20% | 50V 25V | | | SISTOR> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1319 | 1-163-031-11 | CERAMIC CHIP O.OIMF | | 50V | JR1 JR2 | 1-216-295-00 1-216-295-00 | METAL GLAZE METAL GLAZE | 0 5% 0 5% | 1/10W 1/10W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1320 C1321 C1322 | 1-163-031-11 1-163-101-00 1-163-101-00 | CERAMIC CHIP 0.01MF CERAMIC CHIP 22PF CERAMIC CHIP 22PF CERAMIC CHIP 47PF CERAMIC CHIP 470PF | 5% 5% | 50V 50V 50V | JR3 JR4 JR5 | 1-216-295-00 1-216-295-00 1-216-295-00 1-216-296-00 1-216-296-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 0 5% 0 5% | 1/10W 1/8W 1/8W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1323 C1324 | 1-163-109-00 1-163-133-00 | CERAMIC CHIP 47PF CERAMIC CHIP 470PF | 5% 5% | 50V 50V | JR6 | 1-216-295-00 | METAL GLAZE | | 1/10W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1325 C1327 C1333 | 1-163-169-00 1-163-038-00 1-164-232-11 | CERAMIC CHIP 33PF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF | 5% 10% | 50V 25V 50V | JR7 R1301 R1302 R1303 | 1-216-295-00 1-216-071-00 1-216-083-00 1-216-051-00 | METAL GLAZE | 0 5% 0 5% 8.2K 5% 27K 5% 1.2K 5% | 1/10W 1/10W 1/10W 1/10W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <con< td=""><td>NECTOR></td><td></td><td></td><td>R1304 R1305</td><td>1-216-043-00 1-216-067-00</td><td>METAL GLAZE METAL GLAZE</td><td>560 5% 5.6K 5%</td><td>1/10W 1/10W</td><td></td></con<> | NECTOR> | | | R1304 R1305 | 1-216-043-00 1-216-067-00 | METAL GLAZE METAL GLAZE | 560 5% 5.6K 5% | 1/10W 1/10W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CN0302* | 1 -573-299-11 | NECTOR> | OARD 10P | | R1306 R1307 R1308 | 1-216-049-00 1-216-049-00 1-216-025-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 1K 5% 1K 5% 100 5% | 1/10W 1/10W 1/10W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <dio< td=""><td>DE></td><td></td><td></td><td>R1310</td><td>1-216-067-00</td><td>METAL GLAZE</td><td>5.6K 5% 1.2K 5% 270 5%</td><td>1/10W 1/10W</td><td></td></dio<> | DE> | | | R1310 | 1-216-067-00 | METAL GLAZE | 5.6K 5% 1.2K 5% 270 5% | 1/10W 1/10W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1302 | 8-719-400-18 | DIODE MA152WK | | | R1312 R1313 | 1-216-035-00 1-216-059-00 | METAL GLAZE METAL GLAZE | 270 5% 2.7K 5% 5.6K 5% | 1/10W 1/10W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <fil< td=""><td>TER></td><td></td><td></td><td>R1314</td><td>1-216-216-00</td><td>METAL GLAZE</td><td>5.6k 5%</td><td>1/8₩</td><td></td></fil<> | TER> | | | R1314 | 1-216-216-00 | METAL GLAZE | 5.6k 5% | 1/8₩ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FL1301 FL1302 FL1303 FL1304 | 1-236-620-11 1-236-620-11 1-236-620-11 1-236-164-11 | DE> DIODE MAI52WK TER> FILTER, LOW PASS FILTER, LOW PASS FILTER, LOW PASS ENCAPSULATED COMPONEN | T | | R1316 R1319 R1320 R1321 | 1-216-043-00 1-216-049-00 1-216-055-00 1-216-043-00 1-216-204-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 560 5% 1K 5% 1.8K 5% 560 5% 1.8K 5% | 1/10W 1/10W 1/10W 1/10W 1/8W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <10> | | | | R1322 R1324 | 1-216-067-00 1-216-049-00 | | 5.6K 5% 1K 5% | 1/10W 1/10W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I C1301 | | IC SBX1692-01 | | | R1326 R1327 R1328 | 1-216-202-00 1-216-059-00 1-216-043-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 1.5K 5% 2.7K 5% 560 5% | 1/8W 1/10W 1/10W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <01 1-408-405-00 | | | | R1330 | 1-216-043-00 1-216-073-00 1-216-069-00 | METAL GLAZE | 560 5% 10K 5% 6.8K 5% | 1/10W 1/10W 1/10W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

B1 F2 F1 A1

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark A are critical for safety.

Replace only with part number specified.

| REF.NO. PART NO. | DESCRIPTION | REMARK | REF.NO. PART NO. | DESCRIPTION | REMARK |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------|
| R1332 1-216-069-00 R1333 1-216-067-00 R1334 1-216-055-00 R1341 1-216-089-00 R1342 1-216-073-00 | | 1/10W 1/10W 1/10W 1/10W 1/10W | <re><rel< r="">RY6614_1-515-720-31</rel<></re> | AY> RELAY | |
| R1344 1-216-065-00 | | 1/10W 1/10W | | RMISTOR> THERMISTOR, POSITIVE | |
| | ********** | ******* | ********** | ******* | ********** |
| *A-1241-079-A | F2 BOARD, COMPLETE | | *A-1241-086-A | F1 BOARD, COMPLETE | |
| | EYELET (EY650, EY652, EY665 EYELET (EY601~EY617) | ~EY675, EY677) | 1-533-230-11 *4-341-751-01 *4-341-752-01 | HOLDER, FUSE EYELET (EY691.EY692) | |
| <cap< td=""><td>ACITOR></td><td></td><td>11311 132 01</td><td></td><td></td></cap<> | ACITOR> | | 11311 132 01 | | |
| C661 A 1-136-519-11 C662 A 1-136-518-11 | FILM 0.33MF | 20% 300V 20% 300V | 4 | NECTOR> | |
| C664 A. 1-164-246-51 C666 1-124-120-11 C667 1-126-233-11 | ELECT 220MF | 20% 400V 20% 25V 20% 50V | CN0003*1-580-844-11 CN0831*1-695-292-11 | PIN, CONNECTOR (POWER) PIN, CONNECTOR (POWER) | |
| C672 A 1-161-964-61 | CERANIC 0.0047NF | | < F US | E> | |
| C673 A. 1-161-964-61 C674 A. 1-125-555-11 | | 250V 20% 400V | | FUSE (H.B.C.) 5A/250V | |
| <con< td=""><td>NECTOR></td><td></td><td><swi< td=""><td>TCH></td><td></td></swi<></td></con<> | NECTOR> | | <swi< td=""><td>TCH></td><td></td></swi<> | TCH> | |
| CN0005*1-508-765-00 | PIN, CONNECTOR (5MM PITCH PIN, CONNECTOR (5MM PITCH |) 3P | S651 & 1-571-433-12 | SWITCH, PUSH (AC POWER) | Sind Silver (1817) |
| CN0000*1-508-765-00 CN0007*1-508-786-00 CN0924*1-568-878-51 | PIN. CONNECTOR (5MM PITCH |) 2P | *********** | ******** | ***** |
| CN0925*1-695-294-11 | PIN, CONNECTOR (PC BOARD) | 6P | | A1 BOARD, COMPLETE (KV- | |
| | PIN, CONNECTOR (5MM PITCH PIN, CONNECTOR (PC BOARD) | | *A-1292-248-A | AI BOARD, COMPLETE (KV- | S2913E) |
| <010 | DE> | | <f[l< td=""><td>TER></td><td></td></f[l<> | TER> | |
| D661 18-719-911-19 D662 8-719-400-18 | DIODE ISSII9 | | BP1101 1-236-238-12 | FILTER, BAND PASS (KV-S | 2912U) |
| D663 A.8-719-510-63 | DIODE D4\$B60L-F DIODE MTZJ-9.1 | | CF1101 1-409-333-00 | TRAP, CERAMIC (6.0MHZ) TRAP, CERAMIC (5.5MHZ) | (KV-S2912U) |
| <tra< td=""><td>NSFORMER></td><td></td><td><cap< td=""><td>ACITOR></td><td></td></cap<></td></tra<> | NSFORMER> | | <cap< td=""><td>ACITOR></td><td></td></cap<> | ACITOR> | |
| LP661A. 1-424-436-11 | TRANSFORMER, LINE FILTER | | C1101 1-126-101-11 | ELECT 100MF | 20% 16V |
| LIDDAM I-AZA-A-K-II | TRANSFORMER, LINE FILTER | 보다 보는 그 그는 사람이 없다. | C1102 1-126-101-11 C1103 1-163-038-00 | ELECT 100MF CERANIC CHIP 0.1MF | 20% 16V 25V |
| <tra< td=""><td>NSISTOR></td><td></td><td>C1104 1-163-077-00 C1105 1-163-081-00</td><td>CERAMIC CHIP 0.1MF CERAMIC CHIP 0.22MF</td><td>10% 25V 25V</td></tra<> | NSISTOR> | | C1104 1-163-077-00 C1105 1-163-081-00 | CERAMIC CHIP 0.1MF CERAMIC CHIP 0.22MF | 10% 25V 25V |
| 0.44 | TRANSISTOR 2SC1623-L5L6 | | C1106 1-163-437-91 C1107 1-163-009-11 | CERAMIC CHIP 180PF CERAMIC CHIP 0.001MF | 5% 50V 10% 50V |
| ×DEC | 10700 | | C1108 1-163-059-00 C1109 1-163-033-00 | CERAMIC CHIP 0.01MF CERAMIC CHIP 0.022MF | 50V 50V |
| R663 A. 1-244-945-91 | ISTOR> «CARBON In the California 5% of | 1/2W | C1110 1-164-336-11 C1111 1-163-009-11 | CERAMIC CHIP 0.33MF CERAMIC CHIP 0.001MF | 25V 10% 50V |
| R664 A. 1-205-998-11 R665 A. 1-218-265-91 | WIREWOUND 1 5% METAL GLAZE 8.2M 5% CARBON 100 5% | 10W F | C1112 1-164-161-11 C1113 1-124-477-11 | CERAMIC CHIP 0.0022MF ELECT 47MF | 10% 50V 20% 16V |
| R666 1-249-405-11 R667 1-249-430-11 | CARBON 100 5% CARBON 12K 5% | 1/4W F 1/4W | C1114 1-163-038-00 C1115 1-124-477-11 | CERAMIC CHIP 0.1MF ELECT 47MF | 25 V 20% 16 V |
| R668 1-249-434-11 R669 A. 1-202-968-11 | CARBON 27K 5% WIREWOUND 1.2 5% | 1/4W 10W F | C1116 1-137-031-11 C1117 1-163-081-00 | FILM 0.22MF | 10% 100V |
| R670 A. 1-205-998-11 R671 1-249-415-11 | WIREWOUND 1 5% CARBON 680 5% | 10W F | C1117 1-163-081-00 C1118 1-163-113-00 C1119 1-163-193-00 | CERAMIC CHIP 0.22MF CERAMIC CHIP 68PF CERAMIC CHIP 330PF | 25V 5% 50V 5% 50V 5% 50V |
| | 34 | İ | C1120 1-163-193-00 | CERAMIC CHIP 330PF | ś % śöv |



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|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------|----------------------|---------------------------------|-------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------|-------------------|
| REF.NO. | PART NO. | DESCRIPTION | | | REMARK | REF.NO. | PART NO. | DESCRIPTION | | | REMARK |
| C1122 C1123 C1124 | 1-163-081-00 1-137-031-11 1-124-477-11 | CERAMIC CHIP FILM ELECT | | | | L1101 L1102 L1103 | <pre><c0i 1-408-405-00="" 1-410-119-11="" 1-410-119-11<="" pre=""></c0i></pre> | L> INDUCTOR INDUCTOR | 4.7UH 4.7UH 1MMH | | |
| C1127 C1128 C1129 | 1-163-077-00 1-163-038-00 1-124-477-11 1-163-038-00 1-163-205-00 | CERAMIC CHIP | 0.1MF 47MF 0.1MF | 10% 20% 10% | 25V 25V 16V 25V 50V | L1105 | 1-408-411-00 <tra< td=""><td>NSISTOR></td><td></td><td></td><td>U)</td></tra<> | NSISTOR> | | | U) |
| C1131 C1132 C1133 C1134 | 1-163-059-00 1-163-038-00 1-124-907-11 1-163-009-11 | CERAMIC CHIP CERAMIC CHIP | 0.01MF 0.1MF 10MF 0.001MF | 20% 10% | 50V 25V 50V 50V 25V | Q1102 Q1103 Q1104 | 8-729-120-28 8-729-120-28 8-729-120-28 | TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S | C1623-L C1623-L C1623-L | 5L6 5L6 5L6 | |
| C1136 C1137 C1138 C1139 | | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | | 5% 5% 5% | 50V 25V 50V 50V | Q1107 | 8-729-120-28 8-729-120-28 | TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S | C1623-L | 5L6 | |
| | | | | | 50V | | <res< td=""><td>ISTOR></td><td></td><td></td><td></td></res<> | ISTOR> | | | |
| C1142 | | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 0.0068MF | 5% 10% | 50V 50V 50V | JRIIOI | 1-216-296-00 | METAL GLAZE | 0 | 5% 1/89 | (KV-S2913E) |
| C1144 | 1-163-121-00 | CERAMIC CHIP | 150PF | 5% 5% | 50V 50V | JR1103 JR1104 | 1-216-296-00 1-216-295-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 | 5% 1/89 5% 1/89 5% 1/10 | i) |
| C1147 C1148 C1149 | 1-124-477-11 | CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP | 47MF | 20% | 25V 16V 50V 16V 25V | R1102 R1103 R1104 | 1-216-188-00 1-216-049-00 1-216-198-00 1-216-041-00 1-216-005-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 390 1K 1K 470 15 | 5% 1/89 5% 1/10 5% 1/89 5% 1/10 5% 1/10 | on n om |
| C1153 C1154 | 1-163-038-00 1-124-477-11 1-163-087-00 1-163-038-00 1-124-477-11 | CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP ELECT | 0.1MF 47MF 4PF 0.1MF 47MF | 20% 0.25PF 20% | 25V 16V 50V 25V 16V | R1107 R1108 R1109 | 1-216-063-00 1-216-202-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 300 510 3.9K 1.5K 820 | 5% 1/10 5% 1/10 5% 1/10 5% 1/80 5% 1/80 | JW JW JW |
| C1156 C1157 C1158 | 1-163-009-11 1-163-009-11 1-163-038-00 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | | 10% 10% | 50V 50V 25V | R1112 R1113 R1114 | 1-216-051-00 1-216-001-00 1-216-105-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 10 220K | 5% 1/10 5% 1/10 5% 1/10 5% 1/10 5% 1/10 |) W D W D W |
| **** | | NECTOR> | | | | R1116 | 1-216-198-00 | METAL GLAZE | 1K 100K | | Ŋ |
| CN0201 | 1-695-300-11 <dio< td=""><td></td><td>OARD TO BOAR</td><td>1D 20P</td><td></td><td>R1118</td><td>1-216-097-00 1-216-097-00 1-216-073-00 1-216-232-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE</td><td>100K 10K</td><td>5% 1/10 5% 1/10 5% 1/10 5% 1/80</td><td>O₩ OW</td></dio<> | | OARD TO BOAR | 1D 20P | | R1118 | 1-216-097-00 1-216-097-00 1-216-073-00 1-216-232-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 100K 10K | 5% 1/10 5% 1/10 5% 1/10 5% 1/80 | O₩ OW |
| D1101 | 8-719-104-34 | | | | | R1120 | 1-216-232-00 | METAL GLAZE | | | |
| D1102 | 8-719-027-70 8-719-820-71 | D10DE 1SV217 | -TPH3 | | | R1122 R1123 | 1-216-158-00 1-216-158-00 1-216-089-00 1-216-097-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 22 22 47K 100K | 5% 1/10 5% 1/80 5% 1/80 5% 1/10 5% 1/10 | OM M |
| FB1101 | 1-410-396-41 | FERRITE BEAD | INDUCTOR | | | | 1-216-218-00 1-216-097-00 | METAL GLAZE METAL GLAZE | 6.8K 100K | 5% 1/85 5% 1/10 | |
| FB1102 FB1103 FB1104 | 1-410-396-41 1-410-396-41 1-410-396-41 1-410-396-41 | FERRITE BEAD FERRITE BEAD FERRITE BEAD FERRITE BEAD | INDUCTOR INDUCTOR INDUCTOR | | | R1128 R1129 R1130 | 1-216-089-00 1-216-089-00 1-216-246-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 100K | 5% 1/10 5% 1/10 5% 1/80 | ή)M DM |
| FB1107 | 1-410-396-41 <1C> | | INDUCTOR | | | R1132 R1133 R1134 | 1-216-218-00 1-216-097-00 1-216-089-00 1-216-212-00 1-216-081-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 47K 3.9K | 5% 1/80 5% 1/10 5% 1/10 5% 1/80 5% 1/10 |) DM DM |
| IC1101 IC1102 | 8-759-511-88 8-759-073-17 | IC TDA8732 IC SAA7282P | | | | R1137 R1138 | 1-216-081-00 1-216-095-00 1-216-097-00 1-216-005-00 | METAL GLAZE METAL GLAZE | 82K ! 100K ! | 5% 1/10 5% 1/10 5% 1/10 5% 1/10 |)W)W |
| | | | | | | | | | | | |

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| | REF.NO. | PART NO. | DESCRIPTION | | | REMARK | REF.NO. | PART NO. | DESCRIPTION | | | REMARK |
| | R1140 R1141 R1142 R1143 R1144 | 1-216-061-00 1-216-033-00 1-216-049-00 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 3.3K 5% 3.3K 5% 220 5% 1K 5% | 1/10W 1/10W 1/10W 1/10W | | C220 C221 C222 C223 C224 | 1-163-011-11 1-124-925-11 1-124-925-11 1-137-028-11 1-137-028-11 | ELECT FILM | 0.0015MF 2.2MF 2.2MF 1MF 1MF | 10% 20% 20% 10% 10% | 50 V 50 V 50 V 63 V 63 V |
| | R1145 R1146 R1147 R1148 R1149 | 1-216-049-00 1-216-001-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 10 5% 1K 5% 680 5% 1K 5% 10 5% | 1/10W 1/10W 1/10W 1/10W | | C225 C226 C227 C228 C229 | 1-164-182-11 1-163-007-11 1-124-907-11 1-124-907-11 1-124-478-11 | CERAMIC CHIP CERAMIC CHIP BLECT BLECT BLECT | 0.0033MF 680PF 10MF 10MF 100MF | 10% 10% 20% 20% 20% | 50V 50V 50V 50V 25V |
| | R1150 R1151 R1152 R1153 R1154 | 1-216-049-00 1-216-049-00 1-216-041-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 680 5% 1K 5% 1K 5% 1K 5% 470 5% | 1/10W 1/10W 1/10W | | C230 C231 C232 C233 C234 | 1-164-346-11 | ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 1MF 0.001MF 0.001MF | 20% 10% 10% 10% | 25V 16V 50V 50V 50V |
| | | <cry 1-579-689-21<="" td=""><td>STAL></td><td></td><td></td><td></td><td>C235</td><td>1-137-134-91</td><td></td><td>0.22MF</td><td>5%</td><td>63V</td></cry> | STAL> | | | | C235 | 1-137-134-91 | | 0.22MF | 5% | 63V |
| | X1101 X1102 | 1 3/3 404 41 | VIBRATOR, CR' VIBRATOR, CR' VIBRATOR, CR' | IDING (VA | 3471301 | | C235 C236 C237 C238 C239 | 1-124-618-11 1-124-618-11 1-163-017-00 1-137-134-91 | ELECT CERAMIC CHIP | 2200MF 2200MF 0.0047MF 0.22MF | 20% 20% 10% 5% | 35V 35V 50V 63V |
| | ***** | *A-1297-007-A *A-1297-008-A | A BOARD, COM | PLETE (KV- ***** | S2911B) | 0136) | C241 C242 C243 | 1-126-233-11 1-126-233-11 1-124-903-11 1-163-119-00 1-164-232-11 | ELECT | 22MF 22MF 1MF 120PF 0.01MF | 20% 20% 20% 5% 10% | 50V 50V 50V 50V |
| | | *A-1297-012-A 4-200-001-01 4-201-023-01 | A BOARD, COMI ************************************ | PLETE (KV- ***** | S2912U) | | C251 C301 C302 C303 C304 | 1-163-038-00 1-164-346-11 | CERAMIC CHIP | 0.1MF 1MF | 20% | 16V 25V 25V 16V 25V |
| | | 4-812-134-00 | RIVET NYLON, | 3.5 | | | C305 | 1-163-097-00 | CERAMIC CHIP | 15DF | 5% | 50 V |
| | | <cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td>C306 C307 C308</td><td>1-163-097-00 1-163-017-00 1-163-037-11</td><td>CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP</td><td>U.UU47MF</td><td>5% 10% 10%</td><td>50V 50V 25V</td></cap<> | ACITOR> | | | | C306 C307 C308 | 1-163-097-00 1-163-017-00 1-163-037-11 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | U.UU47MF | 5% 10% 10% | 50V 50V 25V |
| | C071 C072 C074 C102 C103 | 1-126-103-11 | ELECT ELECT CERAMIC CHIP ELECT CERAMIC CHIP | 470MF | 20% 20% 10% 20% | 10V 16V 50V 16V 50V | C310 C311 C311 C312 | 1-164-004-11 1-163-038-00 1-163-038-00 1-124-910-11 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT | 0.1MF 0.1MF 0.1MF 47MF | 10% 20% | 25V 25V 25V 50V |
| | C104 C105 | 1-124-910-11 1-126-233-11 | ELECT | 47MF 22MF | 20% 20% | 50V 50V | C313 C314 | 1-163-077-00 1-163-038-00 | CERAMIC CHIP CERAMIC CHIP | 0.1MF 0.1MF | | 50V 25V |
| | C106 C110 C111 | 1-124-927-11 1-124-478-11 1-102-074-00 | ELECT ELECT | 4.7MF 100MF 0.001MF | 20% 20% 10% | 50V 25V 50V | C317 | 1-124-910-11 1-163-077-00 1-163-103-00 1-163-103-00 | ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 27PF | 20% 5% 5% | 50V 50V 50V 50V |
| | C120 C201 | 1-163-031-11 1-137-129-91 | CERAMIC CHIP | 0.01MF 0.033MF | 5% | V-S2911B) 50V 63V | C319 C320 | 1-163-038-00 1-124-910-11 | ELECT | 0.1MF 47MF | 20% | 25V 50V |
| | C202 C203 | 1-137-129-91 1-164-005-11 | FILM CERAMIC CHIP | 0.033MF | 5% | 63V 25V | C321 C322 | 1-163-038-00 1-126-233-11 | CERAMIC CHIP | | 20% | 25V 50V |
| | C204 C205 | 1-164-005-11 | CERAMIC CHIP | | 20% | 25V | C323 C324 | 1-163-135-00 1-124-910-11 | CERAMIC CHIP ELECT | | 5 % 20% | 50 V 50 V |
| | C206 C207 C208 | 1-124-907-11 1-164-161-11 1-137-613-11 1-164-005-11 | ELECT CERAMIC CHIP FILM CERAMIC CHIP | 0.0018MF | 20% 10% 2% | 50V 50V 100V 25V | C341 C342 C343 | 1-163-077-00 1-163-077-00 1-164-004-11 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 0.1MF 0.1MF | 1 0% 1 0% 1 0% | 25V 25V 25V |
| | C209 C210 | 1~164-005-11 1-164-005-11 | CERAMIC CHIP CERAMIC CHIP | | | 25V 25V | C344 C345 | 1-162-638-11 1-164-346-11 | CERAMIC CHIP | | | 16V 16V |
| | C211 C213 C214 | 1-164-004-11 1-163-023-00 1-163-023-00 | CERAMIC CHIP CERAMIC CHIP | 0.015MF 0.015MF | 10% 10% 10% | 25V 50V 50V | C347 C348 C349 C350 | 1-162-638-11 1-164-346-11 1-164-346-11 1-124-907-11 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT | IMF | 20% | 16V 16V 16V 50V |
| | C215 C216 C217 | 1-163-809-11 1-163-809-11 1-124-925-11 | CERAMIC CHIP CERAMIC CHIP | 0.047MF | 10% 10% | 25V 25V | C351 | 1-126-233-11 | | 22MF | 20% | 50 V |
| | C218 C219 | 1-124-925-11 1-124-925-11 1-163-011-11 | ELECT ELECT CERAMIC CHIP | 2.2MF 2.2MF 0.0015MF | 20% 20% 10% | 50V 50V 50V | C353 C354 C355 | 1-164-346-11 1-164-346-11 1-162-638-11 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 1MF | | 16V 16V 16V |
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| REF.NO. | PART NO. | DESCRIPTION | | | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
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| C357 C358 C359 | 1-164-489-11 1-164-299-11 1-164-299-11 1-124-907-11 1-163-101-00 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP | 0.22MF 0.22MF 0.22MF 10MF 22PF | 10% 10% 10% 20% 5% | 16V 25V 25V 50V 50V | CN0119 CN0137 | *1-568-879-81 *1-564-511-11 | PIN, CONNECTOR 4P PIN, CONNECTOR 4P PLUG, CONNECTOR 8P PLUG, CONNECTOR 10P | |
| C362 | 1-137-134-91 | FILM | 0.22MF | 5% 20% | 63V | | <010 | DE> | |
| C365 C366 C401 | 1-124-120-11 1-124-903-11 1-164-005-11 | CERAMIC CHIP | 1MF 0.47MF | 20% 20% | 50V 16V 50V 16V | D069 D071 | | | |
| C402 C403 | 1-124-917-11 | ELECT CERAMIC CHIP | 33MF 0.47MF | 20% | 50V 16V | D075 | 8-719-400-18 | DIODE NA152WK | |
| C411 C412 C421 | 1-124-917-11 1-164-005-11 1-164-005-11 1-164-005-11 1-124-910-11 | | | | 25V 25V 50V | D077 D078 D079 D101 | 8-719-109-89 8-719-109-89 | DIODE MA152WK DIODE RD5.6ES-B2 DIODE RD5.6ES-B2 DIODE MTZJ-33C | |
| C422 C423 | 1-124-910-11 1-101-004-00 | ELECT CERAMIC | 47MF 0.01MF | 20% | 50V 50V | D205 | 8-719-023-21 | DIODE DAI16-T146 | |
| C424 C425 | 1-163-129-00 1-163-129-00 1-124-910-11 | ELECT CERAMIC CERAMIC CHIP CERAMIC CHIP ELECT | 330PF 330PF 47MF | 5% 5% 20% | 50V 50V 50V | D206 D207 D208 D209 | 8-719-400-18 8-719-921-89 8-719-911-19 8-719-911-19 | DIODE MA152WK DIODE MTZJ-13C DIODE 1SS119 DIODE 1SS119 | |
| C428 . | 1-164-346-11 1-164-346-11 | CERAMIC CHIP CERAMIC CHIP | 1MF 1MF | | 16V 16V | D210 | 8-719-911-19 | DIODE 188119 | |
| C574 | 1-124-119-00 1-163-117-00 1-163-031-11 | CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP | 330MF 100PF 0.01MF | 20% 5% | 16V 50V 50V | D211 D212 D213 D301 | 8-719-911 - 19 8-719-400-18 | DIODE 1SS119 DIODE 1SS119 DIODE MA152WK DIODE MA152WK | |
| C583 | 1-126-233-11 1-163-121-00 | ELECT CERAMIC CHIP | 22MF 150PF | 20% 5% | 50V 50V | D302 | 8-719-104-34 | DIODE 1S2836 | |
| C587 | 1-163-063-00 1-124-903-11 1-164-346-11 | ELECT CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP | | | 50V 50V 16V | D303 D304 D305 D306 | 8-719-109-89 8-719-400-18 | DIODE 1S2836 DIODE RD5.6ES-B2 DIODE MA152WK DIODE MA152WK | |
| C590 - | 1-126-233-11 1-126-233-11 | ELECT | 22MF 22MF 2.2MF | 20% 20% | 50V 50V | D307 | 8-719-400-18 | DIODE MA152WK | |
| C592 | 1-124-925-11 1-163-017-00 1-164-182-11 | ELECT CERAMIC CHIP CERAMIC CHIP | 2.2MF 0.0047MF 0.0033MF | 20% 10% 10% | 50V 50V 50V | D308 D311 D381 D401 | 8-719-800-76 8-719-110-03 | DIODE 1SS226 DIODE 1SS226 DIODE RD7.5ES-B2 DIODE MTZJ-9.1 | |
| C681 | 1-124-478-11 | CERAMIC CHIP | 100PF 100MF | 5% 20% | 50V 25V | D403 | | DIODE MTZJ-9.1 | |
| C682 . C683 | 1-126-101-11 | ELECT ELECT | 100MF 100MF 100MF | 20% 20% 20% | 16V 25V 25V | D405 D406 D407 D571 | 8-719-921-69 | DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE 1SS226 | |
| C685 | 1-124-478-11 | ELECT | 100MF | 20% | 25V | D681 | 8-719-981-99 | DIODE MTZJ-3.3 | |
| | <fil< td=""><td>TER></td><td></td><td></td><td></td><td>D682</td><td>8-719-109-89</td><td>DIODE RD5.6ES-B2</td><td></td></fil<> | TER> | | | | D682 | 8-719-109-89 | DIODE RD5.6ES-B2 | |
| CF581 | 1-577-611-11 | OSCILALTOR, | CERAMIC | | | 1 | <10 | • | |
| | <con< td=""><td>NECTOR></td><td></td><td></td><td></td><td>1C072 1C201</td><td>8-759-073-14 8-759-073-30 8-759-073-31</td><td>IC X24C16P IC TDA6612 (KV-S291 IC TDA6622 (KV-S291</td><td>1B, S2911D, S2913E)</td></con<> | NECTOR> | | | | 1C072 1C201 | 8-759-073-14 8-759-073-30 8-759-073-31 | IC X24C16P IC TDA6612 (KV-S291 IC TDA6622 (KV-S291 | 1B, S2911D, S2913E) |
| | 1-568-880-71 1-695-297-11 | | OARD TO BOA | | | | 8-759-502-21 8-759-072-99 | IC TDA2822H IC TDA2052 | |
| CN0102 CN0103* | 1-573-296-11 1-564-511-11 | CONNECTOR, B PLUG, CONNEC | OARD TO BOA | | 2U, S2913E) | 1C261 1C301 1C302 | 8-759-072-99 8-759-073-15 8-759-505-39 | IC TDA2052 IC TDA9145 IC TDA4660V2 | |
| CN0105* | \$1-568-882-51 \$1-568-880-51 \$1-568-879-51 | PIN, CONNECT PIN, CONNECT PIN, CONNECT | OR 5P | | | 1C304 1C401 | 8-752-056-54 | IC CXA1587S IC CXA1545AS | |
| CN0108* CN0109 | 1-568-878-51 1-695-299-11 | PIN, CONNECT CONNECTOR, B | OR 3P OARD TO BOA | RD 50P | | IC402 IC681 IC683 | 8-759-072-98 8-759-982-10 | IC TDA8138A IC RC7809FA | |
| CNO111 | 1-568-882-51 1-568-882-51 | PIN, CONNECT PIN, CONNECT | OR 7P | nn (22 | | I C684 | 8-759-982-10 | IC RC7809FA | |
| CNO114* | 1-695-298-11 1-568-879-51 | CONNECTOR, B | OR 4P | KU 40P | | i t | <11 | BLOCK> | |
| 040110* | 1-564-516-11 | riou, connec | .iun 13f | | | IFB101 | 1-466-733-11 | IF BLOCK (IFH-389) | (KV-S2911D,S2913E) |



| REF.NO. | PART NO. | DESCRIPTION | RENARK | REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
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| IFB101 | 1-466-734-11 1-466-735-11 | IF BLOCK (IFH-395) (KV-S2912U) IF BLOCK (IFH-389F) (KV-S2911B) | | JR117 JR118 JR119 JR120 | 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 0 0 0 | 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W | |
| L101 | 1-412-546-21 | INDUCTOR 560UH | | JR121 | 1-216-295-00 | METAL GLAZE | 0 | 5% 5% | 1/10W 1/10W | |
| L102 L201 L306 L308 | 1-408-413-00 1-407-500-00 1-408-405-00 1-408-417-00 | INDUCTOR 4.7MH INDUCTOR 4.7UH INDUCTOR 47UH | | JR123 JR124 JR125 JR127 | 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 0 0 | 5%%%%% 55%%%%%%%%%%%%%%%%%%%%%%%%%%%%% | 1/10W 1/10W 1/10W 1/10W 1/10W | |
| L610 L611 | 1-412-539-21 1-412-539-21 | INDUCTOR 150UH INDUCTOR 150UH | | JR128 JR129 JR131 | 1-216-295-00 1-216-295-00 1-216-295-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 0 0 0 | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W | |
| Q071 | 8-729-901-05 | TRANSISTOR DTA124EK | | JR133 | 1-216-295-00 | METAL GLAZE | 0 | | 1/10W | |
| Q101 Q102 Q103 Q201 | 8-729-216-22 8-729-901-00 8-729-900-53 8-729-120-28 | TRANSISTOR 2SA1162-G TRANSISTOR DTC124EK TRANSISTOR DTC114EK TRANSISTOR 2SC1623-L5L6 | | JR134 JR136 JR137 JR138 JR140 | 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 0 0 0 | 5%%%%% 55555555555555555555555 | 1/10W 1/10W 1/10W 1/10W 1/10W | |
| Q202 Q203 Q204 Q205 Q206 | 8-729-120-28 8-729-120-28 8-729-216-22 8-729-216-22 8-729-216-22 | TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G | | JR141 JR142 JR143 JR144 | 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 0 0 0 | 5%% 5%% 5%% | 1/10W 1/10W 1/10W 1/10W 1/10W | |
| Q207 Q209 Q301 Q302 Q303 | 8-729-120-28 8-729-120-28 8-729-901-00 8-729-216-22 8-729-216-22 | TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR DTC124EK TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G | | JR201 JR202 JR203 JR204 | 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 0 0 | 55555555555555555555555555555555555555 | 1/8W 1/8W 1/8W 1/8W 1/8W | |
| Q304 Q305 Q306 Q308 Q309 | 8-729-900-53 8-729-901-01 8-729-216-22 8-729-216-22 8-729-931-02 | IF BLOCK (IFH-395) (KV-S2912U) IF BLOCK (IFH-389F) (KV-S2911B) L> INDUCTOR 560UH INDUCTOR 22UH INDUCTOR 4.7MMH INDUCTOR 4.7UH INDUCTOR 4.7UH INDUCTOR 150UH INDUCTOR 150UH INDUCTOR 150UH INDUCTOR 150UH INDUCTOR 150UH INDUCTOR 2SA1162-G TRANSISTOR DTC114EK TRANSISTOR DTC114EK TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR DTC114EK TRANSISTOR DTC114EK TRANSISTOR DTC114EK TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR DTC114EK TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR DTC114EK TRANSISTOR ZSA1162-G TRANSISTOR ZSA1162-G TRANSISTOR ZSA1162-G TRANSISTOR DTC114EK | | JR206 JR207 JR208 JR209 | 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 | 5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% | 1/8W 1/8W 1/8W 1/8W 1/8W | |
| Q311 Q312 Q401 Q402 Q403 | 8-729-120-28 | TRANSISTOR DTA144EK TRANSISTOR DTC114EK TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 | | JR211 JR212 JR213 JR214 JR215 | 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 0 0 0 | 5% | 1/8W 1/8W 1/8W 1/8W 1/8W | |
| Q404 Q581 Q582 Q610 Q611 | 8-729-120-28 8-729-216-22 | TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SB734-34 TRANSISTOR DTC114EK | | JR216 JR217 JR218 JR219 JR220 | 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | | | 1/8W 1/8W 1/8W 1/8W 1/8W | |
| Q683 | 8-729-140-96 | TRANSISTOR 2SD774-34 | | JR221 | 1-216-296-00 | METAL GLAZE METAL GLAZE | 0 | | 1/8W 1/8W | |
| JR101 JR102 | <res 1-216-295-00="" 1-216-295-00<="" td=""><td>SISTOR> METAL GLAZE 0 5% 1/10 METAL GLAZE 0 5% 1/10</td><td></td><td>JR222 JR223 JR224 JR225</td><td>1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>0</td><td>5% 5% 5% 5% 5%</td><td>1/8W 1/8W 1/8W 1/8W</td><td></td></res> | SISTOR> METAL GLAZE 0 5% 1/10 METAL GLAZE 0 5% 1/10 | | JR222 JR223 JR224 JR225 | 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 0 | 5% 5% 5% 5% 5% | 1/8W 1/8W 1/8W 1/8W | |
| JR103 JR104 JR105 | 1-216-295-00 1-216-295-00 1-216-295-00 | METAL GLAZE 0 5% 1/10 METAL GLAZE 0 5% 1/10 METAL GLAZE 0 5% 1/10 | M M | JR226 JR227 JR228 JR229 | 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 0 0 | 55% 55% 55% 55% | 1/8W 1/8W 1/8W 1/8W | |
| JR107 JR108 JR109 | 1-216-295-00 1-216-295-00 | METAL GLAZE 0 5% 1/10 METAL GLAZE 0 5% 1/10 METAL GLAZE 0 5% 1/10 | W | JR230 JR231 | 1-216-296-00 1-216-296-00 | METAL GLAZE METAL GLAZE | Ŏ 0 | | 1/8W | |
| JR110 JR111 JR112 | 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 | METAL GLAZE 0 5% 1/10 METAL GLAZE 0 5% 1/10 | M | JR232 JR233 JR234 JR235 | 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 0 | 5% 5% 5% 5% | 1/8W 1/8W 1/8W 1/8W | |
| JR113 JR114 JR115 JR116 | 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 | METAL GLAZE 0 5% 1/10 METAL GLAZE 0 5% 1/10 METAL GLAZE 0 5% 1/10 | ₩ ₩ ₩ | JR236 JR237 JR238 | 1-216-296-00 1-216-296-00 1-216-296-00 | METAL GLAZE METAL GLAZE | 0 0 0 | 5% 5% 5% | 1/8W 1/8W 1/8W | |



| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK | REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|-----------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------|----------------------|-------------------------------------------|--------|--------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------|-------------------------------------------|----------------------------------------------------|--------|
| JR240 JR241 JR242 | 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 0 0 0 | 5% 5% 5% 5% | 1/8W 1/8W 1/8W 1/8W 1/8W | | P243 | 1-216-218-00 1-249-438-11 1-216-089-00 1-216-089-00 | CARBON METAL GLAZE METAL GLAZE | 56K 47K 47K | 5% 5% 5% 5% | 1/8W 1/4W 1/10W 1/10W | |
| JR245 JR247 JR248 | 1-216-296-00 1-216-296-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 0 0 0 | 5% 5% 5% 5% | 1/8W 1/8W 1/8W 1/8W 1/8W | | R249 R249 R250 R251 | 1-216-073-00 1-216-073-00 1-216-045-00 1-216-095-00 1-216-065-00 1-216-073-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 10K 10K 680 82K 4.7K 10K | 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W | |
| JR251 JR252 JR253 R071 R072 | 1-216-296-00 1-216-296-00 1-216-296-00 1-216-041-00 1-216-033-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 0 0 470 220 | 5% 5% 5% 5% | 1/8W 1/8W 1/8W 1/10W 1/10W | | R253 R254 R255 R256 R257 | 1-216-073-00 1-216-252-00 1-216-252-00 1-249-409-11 1-249-409-11 | METAL GLAZE METAL GLAZE METAL GLAZE CARBON CARBON | 10K 180K 180K 220 220 | 555 555555 | 1/10W 1/8W 1/8W 1/4W 1/4W | |
| R073 R074 R076 R077 R101 | 1-216-025-00 1-216-025-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 220 1K 2.2K 100 100 | 5% 5% 5% 5% | 1/10W 1/8W 1/10W 1/10W 1/10W | | R259 R260 R301 R302 | 1-216-049-00 1-216-198-00 1-216-041-00 1-216-041-00 1-216-174-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 1K 1K 470 470 100 | 5 5555555 | 1/10W 1/8W 1/10W 1/10W 1/8W | |
| R115 | 1-216-059-00 1-216-073-00 1-216-230-00 1-216-210-00 | METAL GLAZE METAL GLAZE | 1K 2.7K 10K 22K 3.3K | 5% 5% 5% | 1/10W 1/10W 1/10W 1/8W 1/8W | | j K3U4 | 1-216-174-00 1-216-035-00 1-216-035-00 1-216-075-00 1-216-121-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 100 270 270 12K 1M | 5% %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% | 1/8W 1/10W 1/10W 1/10W 1/10W | |
| R201 R202 R203 R204 R205 | 1-216-653-11 1-216-067-00 1-216-091-00 1-216-071-00 | METAL GLAZE | 8. ZK | 5% | 1/10W 1/10W 1/10W 1/10W | | R309 R310 R311 R312 R313 | 1-216-001-00 1-216-001-00 1-216-065-00 1-249-413-11 1-216-081-00 | METAL GLAZE METAL GLAZE CARBON METAL GLAZE | 10 4.7K 470 22K 220 | | 1/10W 1/10W 1/10W 1/4W 1/10W | |
| R206 R207 R208 R209 R210 | 1-216-071-00 1-216-057-00 1-216-057-00 1-249-377-11 1-247-734-11 | CARDUN | 8.2K 2.2K 2.2K 0.47 39 | 3% | 1/10W 1/10W 1/10W 1/4W 1/2W | F | R315 | 1-216-097-00 1-216-073-00 1-216-041-00 | CARBON METAL GLAZE METAL GLAZE METAL GLAZE | 220 100K 10K 470 | | 1/4W 1/4W 1/10W 1/10W 1/10W | |
| R211 R212 R213 R214 R215 | 1-247-734-11 1-216-049-00 1-216-073-00 1-216-049-00 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/2W 1/10W 1/10W 1/10W 1/10W | | R320 R321 R322 R324 | 1-249-413-11 1-216-174-00 1-216-039-00 1-216-041-00 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 470 100 390 470 1K | 5% 5% 5% | 1/4W 1/8W 1/10W 1/10W 1/10W | |
| R216 R217 R218 R221 R222 | 1-216-049-00 1-216-047-00 1-216-081-00 1-212-849-00 1-216-049-00 | METAL GLAZE FUSIBLE METAL GLAZE | 22K 4.7 1K | 5% 5% 5% | 1/10W 1/10W 1/10W 1/4W 1/10W | | R326 R328 R329 R330 | 1-216-025-00 1-216-023-00 1-216-053-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 470 10K 100 82 1.5K | 5% 5%% 5%% | 1/10 W 1/10 W 1/10 W | |
| R223 R224 R225 R226 R227 | 1-216-047-00 1-249-433-11 1-212-849-00 1-249-412-11 1-216-081-00 | METAL GLAZE CARBON FUSIBLE CARBON METAL GLAZE | 820 22K 4.7 390 22K | 5% 5% 5% | 1/10W 1/4W 1/4W 1/4W 1/10W | F | R331 R333 R334 R339 R340 | 1-216-097-00 1-216-182-00 1-216-182-00 1-216-025-00 1-216-025-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 100K 220 220 100 100 | 5% % % % % % % % % % % % % % % % % % % | 1/10 W 1/8V 1/8V 1/10 W 1/10 W | |
| R228 R229 R230 R231 R232 | 1-216-081-00 1-216-039-00 1-216-246-00 1-216-097-00 1-216-081-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 22K 390 100K 100K 22K | 5% 5% 5% 5% | 1/10W 1/10W 1/8W 1/10W 1/10W | | R341 R342 R343 R344 R345 | 1-216-025-00 1-216-033-00 1-216-022-00 1-216-022-00 1-216-171-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 100 220 75 75 75 75 | 5% 5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% | 1/10 Q 1/10 Q 1/10 Q 1/10 Q 1/10 Q | |
| R233 R234 R235 R236 R237 | 1-216-071-00 1-216-077-00 1-216-073-00 1-216-081-00 1-216-025-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 8.2K 15K 10K 22K 100 | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | | R346 R347 R348 R349 R350 | 1-216-022-00 1-216-083-00 1-216-029-00 1-216-029-00 1-216-178-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 75 27K 150 150 150 | 5% 5% 5% | 1/10 G 1/10 G 1/10 G 1/10 G 1/8 V | |
| R238 R239 R240 R241 | 1-216-025-00 1-216-073-00 1-216-089-00 1-216-057-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 100 10K 47K 2.2K | 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W | | R351 R352 R354 | 1-216-073-00 1-216-033-00 1-216-033-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 10K 220 220 | 5% 5% 5% | 1/10 G 1/10 G 1/10 G | |

AIF

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.

| | PART NO. | DESCRIPTION | | | | REMARK | REF.NO. | PART NO. | DESCRIPTION | | | REMARK |
|--------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------|----------------------------|-------------------------------------------|--------|--------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------|--------------------------------------|---------------------------------|
| R355 R356 R357 R358 R359 | 1-216-033-00 1-216-033-00 1-216-041-00 1-216-031-00 1-216-033-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 220 220 470 180 220 | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | | R684 | 1-216-035-00 1-249-411-11 1-216-397-11 1-216-047-00 1-216-049-00 | CARBON METAL OXIDE METAL GLAZE | 270 5% 330 5% 4.7 5% 820 5% | 1/10W 1/4W 3W 1/10W | F |
| R360 R361 R362 R365 R366 | 1-216-033-00 1-216-033-00 1-216-077-00 1-216-073-00 1-216-067-00 | METAL GLAZE | 220 220 15K 10K 5.6K | 5% 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | | TUIOLA | -216-049-00 <tun .1-693-184-11 .1-693-185-11</tun | ER> Tuner (U944c | 1K 5% | 1/10W | |
| R367 R368 R369 R370 R371 | 1-216-198-00 1-216-033-00 1-216-033-00 1-216-033-00 1-216-033-00 | METAL GLAZE | 1K 220 220 220 220 220 | 5% 5% 5% 5% | 1/8W 1/10W 1/10W 1/10W 1/10W | | X301 | | STAL> | CRYSTAL | ********* | U, 32313E/ |
| R373 R376 R377 R378 R379 | 1-216-017-00 1-216-065-00 1-216-051-00 1-216-057-00 1-216-206-00 | METAL GLAZE METAL GLAZE | 47 4.7K 1.2K 2.2K 2.2K | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/8W | | ****** | 1-466-733-11 | ******** | ********** H-389) (KV- | | |
| R380 R401 R402 R403 R404 | 1-216-057-00 1-216-171-00 1-216-158-00 1-216-025-00 1-216-158-00 | METAL GLAZE METAL GLAZE | 2.2K 75 22 100 22 | 5% 5% 5% 5% | 1/10W 1/8W 1/8W 1/10W 1/8W | | C102 | 1-163-121-00 | ACITOR> CERAMIC CHIP | 150PF 0.22MF | | 50 V 25 V |
| R405 R406 R407 R408 R410 | 1-216-025-00 1-216-158-00 1-216-025-00 1-216-093-00 1-216-067-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 100 22 100 68K 5.6K | 5% 5% 5% 5% | 1/10W 1/8W 1/10W 1/10W 1/10W | | C103 C104 C105 C106 C107 | 1-164-222-11 1-164-232-11 1-164-232-11 1-164-004-11 1-124-477-11 1-164-004-11 | ELECT CERAMIC CHIP | 0.1MF 47MF 0.1MF | 10% 10% 10% 20% | 50V 50V 25V 16V 25V |
| R411 R412 R413 R414 R416 | 1-216-067-00 1-216-022-00 1-216-022-00 1-216-022-00 1-216-113-00 | METAL GLAZE METAL GLAZE | 5.6K 75 75 75 470K | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | | C112 C113 C114 | 1-164-004-11 1-164-232-11 1-164-004-11 1-163-101-00 1-124-477-11 | CERAMIC CHIP ELECT | 0.1MF 22PF 47MF | 10% 10% 10% 5% 20% | 25V 50V 25V 50V 16V |
| R417 R419 R420 R423 R424 | 1-216-067-00 1-216-113-00 1-216-067-00 1-216-015-00 1-216-025-00 | METAL GLAZE METAL GLAZE | 5.6K 470K 5.6K 39 | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | | C115 C116 C118 | 1-164-232-11 1-164-346-11 1-164-004-11 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 0.01MF 1MF 0.1MF | 10% 10% 5% | 50V 16V 25V 50V 50V |
| R425 R426 R427 R428 R572 | 1-216-025-00 1-216-025-00 1-216-025-00 1-249-393-11 1-216-198-00 | METAL GLAZE METAL GLAZE | 100 100 100 10 10 | 5% 5% | 1/10W 1/10W 1/10W 1/4W 1/8W | | C122 C123 C124 C130 C131 | 1-163-369-11 1-163-235-11 1-163-239-11 1-163-235-11 1-164-004-11 1-216-295-00 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP METAL GLAZE CERAMIC CHIP | 0.1MF | 5% 5% 5% 10% 1/10W 5% | 50V 50V 25V |
| R574 R575 R581 R582 | 1-216-041-00 1-216-037-00 1-216-033-00 1-216-037-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 470 330 220 330 | 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W | | C133 C152 C153 C154 | 1-163-093-00 1-124-477-11 1-164-337-11 1-164-337-11 1-164-337-11 | ELECT CERAMIC CHIP CERAMIC CHIP | 47MF 2.2MF 2.2MF 2.2MF | 201 | 50V 16V 16V 16V |
| R583 R584 R586 R587 R588 | 1-216-053-00 1-216-039-00 1-216-053-00 1-216-045-00 1-216-101-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 1.5K 390 1.5K 680 150K | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | | C155 C156 C161 C162 | 1-164-232-11 1-124-477-11 1-163-117-00 1-164-222-11 1-164-346-11 | CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 47MF 100PF 0.22MF | 101 201 5% | 50V 16V 50V 25V |
| R589 R590 R591 R592 R593 | 1-216-073-00 1-216-049-00 1-216-073-00 1-216-232-00 1-216-063-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 10K 1K 10K 27K 3.9K | 5% 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/8W 1/10W | | C164 C165 C166 C167 | 1-163-141-00 1-164-232-11 1-124-477-11 1-163-213-00 | CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP | 0.001MF 0.01MF 47MF 0.0022MF | 5% 10% 20% 5% | 50V 50V 16V 50V |
| R594 R595 R596 R597 R600 | 1-216-053-00 1-216-053-00 1-216-643-11 1-216-670-11 1-216-230-00 1-216-190-00 | METAL GLAZE METAL CHIP METAL CHIP METAL CHIP METAL GLAZE METAL GLAZE | 1.5K 470 6.2K 22K 470 | 5% 0.50% | 1/10W 1/10W 1/10W 1/8W 1/8W | | C168 C170 C171 C172 C173 | 1-164-346-11 1-124-477-11 1-124-477-11 1-124-477-11 1-124-477-11 | CERAMIC CHIP BLECT BLECT BLECT ELECT | 47MF 47MF 47MF 47MF | 201 201 201 201 | 16V 16V 16V 16V 16V |

| | . PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | | REMARK |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------|
| | <fil'< td=""><td>TER></td><td></td><td>JR23 JR24</td><td>1-216-296-00</td><td></td><td>0 5% 0 5%</td><td>1/8W 1/8W</td></fil'<> | TER> | | JR23 JR24 | 1-216-296-00 | | 0 5% 0 5% | 1/8W 1/8W |
| CF2 CF3 CF4 SWF1 | 1-527-839-00 1-527-840-00 1-567-570-11 1-579-658-11 | TER> FILTER, CERAMIC FILTER, CERAMIC FILTER, CERAMIC FILTER, CERAMIC FILTER, SAWTOOTH WAVE | | JR25 JR29 JR30 JR33 JR38 | 1-216-296-00 1-216-296-00 1-216-295-00 1-216-295-00 1-216-296-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 5% 0 5% 0 5% 0 5% 0 5% | 1/8W 1/8W 1/10W 1/10W 1/8W |
| | | NECTOR> | | JRDY | 1-216-296-00 | METAL GLAZE | 0 5% | 1/8W |
| CN1 CN2 | *1-506-913-11 *1-506-913-11 | PIN, CONNECTOR 10P PIN, CONNECTOR 10P | | JR40 R101 R102 R103 | 1-216-296-00 1-216-075-00 1-216-073-00 1-216-057-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 5% 0 5% 12K 5% 10K 5% 2.2K 5% | 1/8W 1/10W 1/10W 1/10W |
| | | MMER> | | R104 | 1-216-051-00 | METAL GLAZE | 1.2K 5% | 1/10W |
| CT 1 | 1-404-801-11 | TRAP, CERAMIC | | R106 R107 R108 | 1-216-049-00 1-216-065-00 1-216-065-00 | METAL GLAZE METAL GLAZE | 1K 5% 4.7K 5% 4.7K 5% 470 5% | 1/10W 1/10W 1/10W |
| | <dio< td=""><td></td><td></td><td>R110</td><td>1-216-041-00</td><td></td><td></td><td>1/10W</td></dio<> | | | R110 | 1-216-041-00 | | | 1/10W |
| D161 | 8-719-400-18 <1C> | DIODE MA152WK | | R113 R114 R115 R116 R117 | 1-216-031-00 1-216-049-00 1-216-027-00 1-216-101-00 1-216-097-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 180 5% 1K 5% 120 5% 150K 5% 100K 5% | 1/10W 1/10W 1/10W 1/10W 1/10W |
| IC1 IC2 | 8-759-070-76 8-759-070-71 | | | R118 | 1-216-117-00 | | 680K 5% | 1/10W |
| 1 C3 | 8-759-514-54 | IC BA7046 | | R119 R120 R121 | 1-216-240-00 1-216-075-00 1-216-053-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 56K 5% 12K 5% 1.5K 5% | 1/8W 1/10W 1/10W |
| | <c01< td=""><td>L></td><td></td><td>R122</td><td>1-216-061-00</td><td>METAL GLAZE</td><td></td><td>1/10W</td></c01<> | L> | | R122 | 1-216-061-00 | METAL GLAZE | | 1/10W |
| L101 L102 L103 L104 L121 | 1-408-421-00 1-408-419-00 1-408-419-00 1-408-408-00 1-408-413-00 | INDUCTOR 68UH INDUCTOR 68UH INDUCTOR 8.2UH INDUCTOR 22UH | | R123 R124 R125 R127 R130 | 1-216-075-00 1-216-041-00 1-216-041-00 1-216-047-00 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 12K 5% 470 5% 470 5% 820 5% 1K 5% | 1/10 W 1/10 W 1/10 W 1/10 W 1/10 W |
| L122 L142 | 1-408-420-00 1-410-790-41 | INDUCTOR 82UH INDUCTOR 0.56UH | | R131 R132 | 1-216-025-00 1-216-069-00 | METAL GLAZE | 100 5% 6.8K 5% 3.3K 5% | 1/10 W 1/10 W |
| L151 L161 | 1-408-419-00 1-408-419-00 | INDUCTOR 68UH | | R133 R134 R135 | 1-216-061-00 1-216-049-00 1-216-198-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 1K 5% 1K 5% | 1/10 W 1/10 W 1/8W |
| | <tra< td=""><td>ANSISTOR></td><td></td><td>R150 R151</td><td>1-216-043-00 1-216-043-00</td><td>METAL GLAZE METAL GLAZE</td><td>560 5% 560 5%</td><td>1/10 W 1/10 W</td></tra<> | ANSISTOR> | | R150 R151 | 1-216-043-00 1-216-043-00 | METAL GLAZE METAL GLAZE | 560 5% 560 5% | 1/10 W 1/10 W |
| 0101 0102 0121 0122 | 8-729-120-28 8-729-216-22 8-729-120-28 8-729-216-22 | TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5 TRANSISTOR 2SA1162-G | | R152 R153 R154 | 1-216-043-00 1-216-025-00 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 560 5% 100 5% 1K 5% | 1/10 W 1/10 W 1/10 W |
| Q161 | | TRANSISTOR 2SA1162-G | , | R155 R156 | 1-216-051-00 | METAL GLAZE | 1.2K 5% 27K 5% | 1/10 W 1/10 W |
| 0170 0171 0172 0173 | 8-729-120-28 8-729-120-28 8-729-120-28 8-729-120-28 | TRANSISTOR 2SC1623-L5 TRANSISTOR 2SC1623-L5 TRANSISTOR 2SC1623-L5 TRANSISTOR 2SC1623-L5 | .6 .6 | R157 R159 R160 | 1-216-051-00 1-216-107-00 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 27K 5% 1.2K 5% 270K 5% 1K 5% | 1/10 W 1/10 W 1/10 W |
| 41.5 | | | | R161 R162 | 1-216-100-00 1-216-073-00 | | 10K 5% | 0% 1/10W 1/10W |
| 100 | | SISTOR> | V 1/10U | R163 | 1-216-113-00 | METAL GLAZE | 470K 5% 470K 5% 22K 5% | 1/10 W 1/10 W |
| JR2 JR3 JR4 | 1-216-295-00 1-216-296-00 1-216-295-00 | METAL GLAZE 0 5 METAL GLAZE 0 5 METAL GLAZE 0 5 | % 1/10W % 1/8W % 1/10W | R165 | 1-216-081-00 | METAL GLAZE METAL GLAZE | | 1/10 W 1/10 W |
| JR7 JR8 | 1-216-295-00 1-216-295-00 | METAL GLAZE 0 5 METAL GLAZE 0 5 | % 1/10W | R167 R168 | 1-216-073-00 1-216-113-00 | METAL GLAZE | 1K 5% 10K 5% 470K 5% | 1/10 W 1/10 W |
| JR9 JR11 | 1-216-296-00 1-216-296-00 | METAL GLAZE 0 5 METAL GLAZE 0 5 | 7 1/8W 7 1/8W | R169 R170 | 1-216-049-00 1-216-083-00 | | 1K 5% 27K 5% | 1/10-W 1/10-W |
| JR14 JR16 | 1-216-296-00 1-216-296-00 1-216-295-00 | METAL GLAZE 0 5 METAL GLAZE 0 5 | % 1/8W % 1/10W | R171 R172 | 1-216-075-00 1-216-095-00 | METAL GLAZE | 12K 5% 82K 5% 2.7K 5% | 1/10°W 1/10°W |
| JR18 | I-216-295-00 | METAL GLAZE 0 5 | % 1/10W | R173 | 1-216-059-00 1-216-057-00 | METAL GLAZE | 2.2K 5% | 1 / 10 W 1 / 10 W 1 / 10 W |
| JR19 JR20 JR21 | 1-216-296-00 1-216-296-00 1-216-296-00 | METAL GLAZE 0 5 METAL GLAZE 0 5 METAL GLAZE 0 5 | % 1/8W % 1/8W % 1/8W | R175 | 1-216-083-00 | | 27K 5% 12K 5% | 1 / 10• W 1 / 10• W |

IF

| REF.NO | . PART NO. | DESCRIPTION | | REMARK | REF.NO. | PART NO. | DESCRIPTION | | REMARK |
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| R177 R178 R179 R180 R181 | 1-216-095-00 1-216-059-00 1-216-057-00 1-216-037-00 1-216-037-00 | METAL GLAZE 82K METAL GLAZE 2.7K METAL GLAZE 2.2K METAL GLAZE 330 METAL GLAZE 330 | 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W | | CTI | | MMER> TRAP, CERAMIC | (6.0MHZ) | |
| | <var< td=""><td>IABLE RESISTOR></td><td></td><td></td><td>D161</td><td></td><td>DIODE MA152WK</td><td></td><td></td></var<> | IABLE RESISTOR> | | | D161 | | DIODE MA152WK | | |
| RV1 | 1-241-121-11 | RES, ADJ, CARBON 4.78 | K | | | (IC) | | | |
| | <tra< td=""><td>NSFORMER></td><td></td><td></td><td>IC1</td><td><!--C--></td><td></td><td></td><td></td></tra<> | NSFORMER> | | | IC1 | C | | | |
| T4 | 1-416-017-11 | COIL, IF | | | 103 | 8-759-514-54 | | | |
| T5 | 1-416-018-21 | | | | | 100> | L> | | |
| 4 · 4 · 4 · 4 · 4 · 4 | | IF BLOCK (IFH-395) (| | | L101 L102 L103 L104 | 1-408-414-00 1-408-419-00 1-408-419-00 1-408-406-00 | INDUCTOR INDUCTOR INDUCTOR | 27UH 68UH 68UH 5.6UH | |
| | <cap.< td=""><td>ACITOR></td><td></td><td></td><td>L105</td><td>1-408-410-00 1-410-790-41</td><td></td><td>120H</td><td></td></cap.<> | ACITOR> | | | L105 | 1-408-410-00 1-410-790-41 | | 120H | |
| C101 C102 C103 C104 | 1-164-222-11 | CERAMIC CHIP 33PF CERAMIC CHIP 0.22MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF | 5% 10% 10% | 50V 25V 50V 50V | L142 L161 | 1-408-419-00 | | 0.56UH 68UH | |
| C105 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V | Q101 | | TRANSISTOR 2S | C1623-L5L6 | |
| C106 C107 C108 C109 C112 | 1-124-477-11 1-164-004-11 1-164-004-11 1-164-232-11 1-164-004-11 | ELECT 47MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.1MF | 20% 10% 10% 10% 10% | 16V 25V 25V 50V 25V | Q102 Q122 Q161 Q172 | 8-729-216-22 | TRANSISTOR 2S TRANSISTOR 2S | A1162-G A1162-G A1162-G | |
| C113 | | CERAMIC CHIP 22PF | 5% | 50V | Q173 | 8-729-120-28 | TRANSISTOR 2S | C1623-L5L6 | |
| C114 C115 C116 | 1-124-477-11 1-164-232-11 1-164-346-11 | CERAMIC CHIP 0.01MF CERAMIC CHIP 1MF | 20% 10% | 16V 50V 16V | 101 | | ISTOR> | 0 5% | 1.051 |
| C118 C119 C122 C130 C131 | 1-164-004-11 1-163-369-11 1-163-093-00 1-216-295-00 1-163-224-11 | CERAMIC CHIP 47PF CERAMIC CHIP 10PF | 10% 5% 5% 1/10W 0.25PF | | JR1 JR2 JR3 JR4 JR7 | 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 | METAL GLAZE | 0 5% 0 5% 0 5% 0 5% | 1/8 W 1/1 OW 1/8 W 1/1 OW 1/1 OW |
| C133 | 1-124-477-11 | ELECT 47MF | 20% | 16V | JR8 JR9 | 1-216-295-00 1-216-296-00 | METAL GLAZE | 0 5% 0 5% 0 5% | 1/1 OW 1/8 W |
| C161 C162 C163 C164 | 1-164-222-11 1-164-346-11 1-163-141-00 | CERAMIC CHIP 100PF CERAMIC CHIP 0.22MF CERAMIC CHIP 1MF CERAMIC CHIP 0.001MF | 5% 5% | 50V 25V 16V 50V | JR10 JR11 JR12 | 1-216-296-00 1-216-296-00 1-216-295-00 | | 0 5% 0 5% 0 5% | 1/8 W 1/8 W 1/1 OW |
| C165 C166 | 1-164-232-11 1-124-477-11 | CERAMIC CHIP 0.01MF ELECT 47MF | 10% 20% | 50V 16V | JR13 JR14 JR16 | 1-163-093-00 1-216-296-00 | CERAMIC CHIP METAL GLAZE METAL GLAZE | | 5% 50V 1/8W |
| C167 C168 C170 | 1-163-213-00 1-164-346-11 1-124-477-11 | CERAMIC CHIP 0.0022MI CERAMIC CHIP 1MF ELECT 47MF | | 50V 16V 16V | JR18 JR19 | 1-216-295-00 1-216-295-00 1-216-296-00 | METAL GLAZE METAL GLAZE | 0 5% 0 5% 0 5% 0 5% | 1/10W 1/10W 1/8 W |
| C171 | 1-124-477-11 <fil< td=""><td>ELECT 47MF</td><td>20%</td><td>16V</td><td>JR20 JR21 JR23 JR24</td><td>1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE</td><td>0 5% 0 5% 0 5% 0 5%</td><td>1 /8 W 1 /8 W 1 /8 W 1 /8 W</td></fil<> | ELECT 47MF | 20% | 16V | JR20 JR21 JR23 JR24 | 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 5% 0 5% 0 5% 0 5% | 1 /8 W 1 /8 W 1 /8 W 1 /8 W |
| CD I | 1-579-657-21 | DISCRIMINATOR, CERAM | I C | | JR25 | 1-216-296-00 | METAL GLAZE | 0 5% 0 5% | 1/86 |
| CF1 SWF1 | 1-567-569-11 1-579-659-11 | FILTER, CERAMIC FILTER, SAWTOOTH WAVI | | | JR29 JR30 JR33 JR38 | 1-216-296-00 1-216-295-00 1-216-295-00 1-216-296-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 5% 0 5% 0 5% 0 5% 0 5% | 1/8W 1/10W 1/10W 1/8W |
| CN1 | | NECTOR> PIN, CONNECTOR 10P | | | JR39 JR40 | 1-216-296-00 1-216-296-00 | METAL GLAZE | | 1 /8W |
| CN2 | | PIN, CONNECTOR 10P | | | JR41 JR42 JR101 R101 | 1-216-295-00 1-216-295-00 1-216-295-00 1-216-075-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 0 5% 0 5% 0 5% 0 5% 12K 5% | 1/364 1/104 1/104 1/104 1/104 1/104 |

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK | REF.NO. | PART NO. | DESCRIPTION | | REMARK |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------|----------------------|-------------------------|----------------------------|----------------------------------|--------------------------------------------------------------|------------------------------------------------|--------------------------|----------------------------|
| R102 R103 | 1-216-045-00 1-216-057-00 | METAL GLAZE METAL GLAZE | 680 2.2K | 5% 5% 5% | 1/10W 1/10W | | C5 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V |
| R104 R105 R106 | 1-216-051-00 1-216-043-00 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 1.2K 560 1K | 5% 5% | 1/10W 1/10W 1/10W | | C6 C7 C8 C9 | 1-163-017-00 1-164-232-11 1-163-017-00 1-126-233-11 | CERAMIC CHIP 0.01MF CERAMIC CHIP 0.0047MF | 10% 10% 10% 20% | 50V 50V 50V 25V |
| R107 R108 R110 | 1-216-065-00 1-216-065-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 4.7K 4.7K 470 | 5% 5% 5% | 1/10W 1/10W 1/10W | | C10 | 1-164-232-11 1-124-477-11 | CERAMIC CHIP 0.01MF ELECT 47MF | 10% 20% | 50V 16V |
| R112 R113 | 1-216-041-00 1-216-045-00 1-216-031-00 | METAL GLAZE METAL GLAZE | 680 180 | 5% 5% | 1/10W 1/10W | | C11 C13 C14 | 1-163-059-00 1-124-477-11 | CERAMIC CHIP 0.01MF ELECT 47MF | 10% 20% | 50V 16V |
| R114 R115 | 1-216-0 4 9-00 1-216-0 3 1-00 | METAL GLAZE METAL GLAZE | 1K 180 | 5% 5% 5% | 1/10W 1/10W | | ČÍĞ | | ELECT 1MF CERAMIC CHIP 0.015MF | 20% 10% | 50 V 50 V |
| R116 R117 R118 | 1-216-101-00 1-216-097-00 1-216-117-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 150K 100K 680K | 5% | 1/10W 1/10W 1/10W | | C17 C18 C19 C20 | 1-162-638-11 1-162-638-11 1-163-141-00 | CERAMIC CHIP IMF | 5% | 16V 16V 50V |
| R119 | 1-216-240-00 | METAL GLAZE | | | 1/8W | | C20 C21 | 1-124-902-00 1-124-903-11 | CERAMIC CHIP 0.001MF ELECT 0.47MF BLECT 1MF | 5% 20% 20% | 50 v 50 v |
| R120 R121 R122 | 1-216-075-00 1-216-053-00 1-216-061-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 56K 12K 1.5K 3.3K | 5% 5% | 1/10W 1/10W 1/10W | | C22 C23 | 1-164-232-11 1-124-902-00 | ELECT 0.47MF | 10% 20% | 50V 50V |
| R123 R130 | 1-216-061-00 | METAL GLAZE | 3.3K 1K | 5% | 1/10W 1/10W | | C24 C25 C26 | 1-164-506-11 1-124-477-11 1-164-232-11 | ELECT 47MF | 20% 10% | 16V 16V 50V |
| R131 R132 | 1-216-025-00 1-216-069-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 100 6.8K 3.3K | 5% 5% 5% 5% | 1/10W 1/10W 1/10W | | | 1-164-232-11 1-124-477-11 | CERAMIC CHIP 0.01MF | 10% 20% | 50V 16V |
| R133 R134 | 1-216-061-00 1-216-049-00 | METAL GLAZE | 1 K | 5% | 1/10W | | C27 C28 C33 C34 C35 | 1-124-907-11 1-124-907-11 | ELECT 10MF ELECT 10MF | 20% 20% | 50 V 50 V |
| R135 R153 R159 | 1-216-198-00 1-216-025-00 1-216-107-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 1 K 100 270 K | 5% 5% 5% | 1/8W 1/10W 1/10W | | ! | 1-124-925-11 1-124-477-11 | ELECT 47MF | 20% 20% | 50 V 16 V |
| R160 R161 | 1-216-049-00 1-216-100-00 | METAL GLAZE METAL CHIP | 1K 130K | 5% | 1/10W 1/10W | | C36 C37 C38 C40 | 1-164-232-11 1-163-017-00 1-164-232-11 | CERAMIC CHIP 0.0047MF | 10% 10% 10% | 50V 50V 50V |
| R162 R163 | 1-216-073-00 1-216-113-00 | METAL GLAZE | 10K 470K | 5% 5% | 1/10W 1/10W | | 1 6/1 | 1-124-477-11 | ELECT 47MF | 20% | 16V 50V |
| R164 R165 R166 | 1-216-113-00 1-216-081-00 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 470K 22K 1K | 5% 5% 5% | 1/10W 1/10W 1/10W | | C83 | 1-164-232-11 1-124-477-11 1-124-477-11 | ELECT 47MF ELECT 47MF | 10% 20% 20% | 16V 16V |
| R167 R168 | 1-216-073-00 1-216-113-00 | METAL GLAZE METAL GLAZE | 10K 470K | 5% 5% | 1/10W 1/10W | | C85 | 1-124-477-11 1-124-477-11 | ELECT 47MF ELECT 47MF | 20% 20% | 16V 16V |
| R169 R175 | 1-216-049-00 1-216-083-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 1K 27K 12K | 5% 5% 5% | 1/10W 1/10W 1/10W | | C86 C87 C91 C95 C101 | 1-124-477-11 1-124-477-11 1-163-229-11 | ELECT 47MF | 20% 20% 5% | 16V 16V 50V |
| R176 R177 | 1-216-075-00 | METAL GLAZE | 82K | 5% | 1/10W | | C95 C101 | 1-163-223-11 1-164-337-11 1-163-017-00 | CERAMIC CHIP 2.2MF CERAMIC CHIP 0.0047MF | 10% | 16 V 50 V |
| R178 R179 R181 | 1-216-059-00 1-216-057-00 1-216-037-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 2.7K 2.2K 330 | 5% 5% 5% | 1/10W 1/10W 1/10W | | | 1-163-017-00 | CERAMIC CHIP 0.0047MF CERAMIC CHIP 0.0047MF | 10% | 50 V 50 V |
| | | NIABLE RESISTO | | | | | C105 C106 C121 | 1-163-017-00 | CERAMIC CHIP 0.0047MF CERAMIC CHIP 0.0047MF | 10% 10% 20% | 50 V 50 V 10 V |
| RV1 | | RES, ADJ, CA | | .7K | | | C122 | | CERAMIC CHIP 120PF | 5% | 50 V |
| | <tra< td=""><td>ANSFORMER></td><td></td><td></td><td></td><td></td><td>1</td><td><f11< td=""><td>LTER></td><td></td><td></td></f11<></td></tra<> | ANSFORMER> | | | | | 1 | <f11< td=""><td>LTER></td><td></td><td></td></f11<> | LTER> | | |
| T4 T5 | 1-416-017-11 1-416-018-21 | COIL, IF | | | | | CF1 CF2 | | FILTER, CERAMIC FILTER, CERAMIC | | |
| **** | ****** | · | ***** | ****** | ***** | ****** | CF3 | 1-527-840-00 1-567-570-11 1-579-662-11 | FILTER, CERAMIC FILTER, CERAMIC | | |
| | 1-466-735-11 | IF BLOCK (IF | | | 52911B) | | SWF3 | 1-404-711-11 | SAWF | | |
| | <cai< td=""><td>ACITOR></td><td></td><td></td><td></td><td></td><td>SWF4</td><td></td><td>FILTER, SAWTOOTH WAVE</td><td></td><td></td></cai<> | ACITOR> | | | | | SWF4 | | FILTER, SAWTOOTH WAVE | | |
| C1 C2 | 1-163-017-00 | CERAMIC CHIP | 0.004 0.01 | 7MF | 10% 10% | 50 V 50 V | CNI | | NNECTOR> PIN, CONNECTOR 10P | | |
| C3 C4 | 1-124-903-11 | ELECT CERAMIC CHIP | 1MF | | 20% 10% | 50V 50V | CN2 | | PIN, CONNECTOR 10P | | |

IF

| REF.NO | . PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
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| | <tri< td=""><td>NMER></td><td></td><td>R11 R24 R25</td><td>1-216-059-00 1-216-280-00 1-216-057-00</td><td>METAL GLAZE</td><td>2.7K 2.7M 2.2K</td><td>5% 5%</td><td>1/10W 1/8W 1/10W</td><td></td></tri<> | NMER> | | R11 R24 R25 | 1-216-059-00 1-216-280-00 1-216-057-00 | METAL GLAZE | 2.7K 2.7M 2.2K | 5% 5% | 1/10W 1/8W 1/10W | |
| CT1 CT2 CV1 CV2 CV3 | 1-409-429-11 1-141-245-00 1-141-245-00 | MMER> TRAP, CERAMIC TRAP, CERAMIC CAP, TRIMMER CAP, TRIMMER TRIMMER, CERAMIC | | R26 R27 R28 R29 R30 | 1-216-061-00 1-216-266-00 1-216-075-00 1-216-035-00 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 3.3K 680K 12K 270 1K | 5% 5% 5% 5% | 1/10W 1/8W 1/10W 1/10W 1/10W | |
| D.07 | <dio< td=""><td>DE></td><td></td><td>R31 R32</td><td>1-216-017-00 1-216-043-00</td><td>METAL GLAZE</td><td>47 560</td><td>5% 5% 5% 5%</td><td>1/10W 1/10W</td><td></td></dio<> | DE> | | R31 R32 | 1-216-017-00 1-216-043-00 | METAL GLAZE | 47 560 | 5% 5% 5% 5% | 1/10W 1/10W | |
| D7 D8 D9 | 8-719-421-57 8-719-421-57 8-719-421-57 | DIODE MA73-TX DIODE MA73-TX DIODE MA73-TX | | R33 R34 R35 | 1-216-037-00 1-216-252-00 1-216-035-00 | METAL GLAZE | 330 180K 270 | 5% 5% 5% | 1/10W 1/8W 1/10W | |
| | <1 C> | | | R37 | 1-216-029-00 1-216-049-00 | METAL GLAZE METAL GLAZE | 150 1K 120K 47K | 5% 5% | 1/10W 1/10W | |
| IC1 IC2 IC3 | 8-759-070-75 8-759-070-71 8-759-979-62 | IC TDA9820 | | R38 R39 R40 | 1-216-099-00 1-216-089-00 1-216-049-00 | METAL GLAZE NETAL GLAZE METAL GLAZE | 120K 47K 1K | 5% 5% 5% | 1/10W 1/10W 1/10W | |
| 10) | 0 139-919-02 | 10 7070314 | | R42 R43 R44 | 1-216-061-00 1-216-067-00 | METAL GLAZE | 3.3K 5.6K | 5% 5% | 1/10W 1/10W | |
| L1 L2 | 1-408-419-00 | INDUCTOR 68UH | | R45 R46 | 1-216-027-00 1-216-041-00 1-216-031-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 120 470 180 | 5% 5% 5% | 1/10W 1/10W 1/10W | |
| L3 L4 L5 | 1-408-419-00 1-408-407-00 1-408-419-00 | INDUCTOR 6.8UH INDUCTOR 6.8UH | | R47 R48 R49 R53 R54 | 1-216-075-00 1-216-081-00 | METAL GLAZE | 12K 22K | 5% 5% | 1/10W 1/10W | |
| L7 L9 | 1-408-419-00 | INDUCTOR 5.6UH | | R53 R54 | 1-216-049-00 1-216-083-00 1-216-043-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 1K 27K 560 | 5%%%%% 5555555555555555555555555555555 | 1/10W 1/10W 1/10W | |
| L71 L101 | 1-408-419-00 1-408-419-00 1-408-399-00 | INDUCTOR 68UH INDUCTOR 1.5UH | | R55 R56 R57 | 1-216-043-00 1-216-065-00 1-216-065-00 | METAL GLAZE | 560 4.7K | 5% 5% | 1/10W 1/10W | |
| L121 | 1-406-407-00 | INDUCTOR 0.80H | | R57 R58 R59 | 1-216-065-00 1-216-041-00 1-216-043-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 4.7K 470 560 | 5% 5% 5% 5% | 1/10W 1/10W 1/10W | |
| Q1 | 8-729-901-59 | TRANSISTOR BF199 | | R60 R61 | 1-216-043-00 1-216-295-00 | METAL GLAZE | 560 0 | 5% 5% | 1/10W 1/10W | |
| Q4 Q5 Q6 Q7 | 8-729-120-28 8-729-115-10 8-729-900-52 | IC PCF8574 L> INDUCTOR 68UH INDUCTOR 6.8UH INDUCTOR 6.8UH INDUCTOR 1.5UH INDUCTOR 6.8UH INDUCTOR 2.5UH INDUCTOR 2.5UH INDUCTOR 2.5UH INDUCTOR 2.5UH INDUCTOR 2.5UH INDUCTOR 6.8UH NSISTOR> | | R60 R61 R63 R71 R72 | 1-216-043-00 1-216-079-00 1-216-079-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 560 18K 18K | 5% 5% 5% 5% | 1/10W 1/10W 1/10W | |
| Q8 Q10 | 8-729-120-28 | TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 | | R73 R74 | 1-216-049-00 1-216-079-00 1-216-079-00 | METAL GLAZE | 1K 18K | 5% 5% | 1/10W 1/10W | |
| Q11 Q12 Q13 | 8-729-120-28 8-729-120-28 8-729-120-28 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 | | R76 R77 | 1-216-079-00 1-216-025-00 1-216-174-00 | METAL GLAZE | 18K 100 100 | 5% 5% 5% 5% | 1/10W 1/10W 1/8W | |
| Q14 Q15 | 8-729-120-28 8-729-120-28 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | R81 R82 | 1-216-095-00 1-216-121-00 | METAL GLAZE | 82K 1M | 5% 5% | 1/10W 1/10W | |
| Q16 Q101 Q121 | 8-729-216-22 8-729-104-80 | TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SC3655 TRANSISTOR 2SC3652 | | R83 R84 R85 | 1-216-025-00 1-216-085-00 1-216-085-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 100 33K 33K | 5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% | 1/10W 1/10W 1/10W | |
| 4121 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | R86 R87 | 1-216-689-11 1-216-095-00 | METAL GLAZE | 39K 82K | 5% 5% | 1/10W 1/10W | |
| JR2 JR3 | 1-216-295-00 | ISTOR> METAL GLAZE 0 5% 1. | /10W | R88 R89 R90 | 1-216-095-00 1-216-095-00 1-216-075-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 82K 82K 12K | 5% 5% 5% 5% 5% | 1/10W 1/10W 1/10W | |
| JR5 R1 R2 | 1-216-296-00 1-216-296-00 1-216-025-00 | METAL GLAZE 0 5% 1. METAL GLAZE 100 5% 1. | /8W /8W /10W | R91 R92 | 1-216-295-00 1-216-075-00 | METAL GLAZE | 0 12K | 5% 5% 5% | 1/10W 1/10W | |
| R3 R4 | 1-216-065-00 1-216-065-00 1-216-041-00 | METAL GLAZE 4.7K 5% 1 | /10W /10W | R93 R94 R95 | 1-216-075-00 1-216-059-00 1-216-059-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 12K 2.7K 2.7K | 5% 5% 5% | 1/10W 1/10W 1/10W | |
| R5 R6 R8 | 1-216-041-00 1-216-021-00 1-216-055-00 | METAL GLAZE 68 5% 1, METAL GLAZE 1.8K 5% 1, | /10W /10W /10W | R96 R97 | I-216-059-00 1-216-057-00 | METAL GLAZE METAL GLAZE | 2.7K 2.2K | 5% 5% | 1/10W 1/10W | |
| R9 R10 | I-216-051-00 I-216-069-00 | METAL GLAZE 6.8K 5% 1 | /10W /10W | R98 R99 R100 | 1-216-057-00 1-216-057-00 1-216-065-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 2.2K 2.2K | 5% 5% 5% | 1/10W 1/10W 1/10W | |
| 1.10 | 1-216-071-00 | METAL GLAZE 8.2K 5% 1, | /10W | | | | | | | |



| REF. | NO. PART NO. | DESCRIPTION | | | REMARK | REF.NO. | PART NO. | DESCRIPTION | | REMARI |
|---------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------|---------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------|
| R10 R10 R10 R10 R12 | 3 1-216-063-00 4 1-216-049-00 5 1-216-033-00 | METAL GLAZE 4. METAL GLAZE 3. METAL GLAZE 11 METAL GLAZE 22 METAL GLAZE 10 | .7K 5% .9K 5% K 5% 2O 5% OK 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | | D708 D709 | 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 | DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 | | |
| R12 R12 R12 R12 R30 | 3 1-216-041-00 4 1-216-041-00 5 1-216-041-00 | METAL GLAZE 4' METAL GLAZE 4' METAL GLAZE 4' | . 7K 5% 70 5% 70 5% 70 5% K 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | | D710 D713 | 8-719-911-19 8-719-911-55 | DIODE UO5G | | |
| R30 R30 R30 R30 R30 | 3 1-216-049-00 4 1-216-037-00 5 1-216-049-00 | METAL GLAZE 11 METAL GLAZE 3: METAL GLAZE 11 | K 5% K 5% 30 5% K 5% 00 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | | J701 | <jac 1-540-223-11 <c0i< td=""><td>SOCKET, PICTO</td><td>JRE TUBE</td><td></td></c0i<></jac | SOCKET, PICTO | JRE TUBE | |
| R30 R30 | 7 1-216-037-00 8 1-216-037-00 | METAL GLAZE 3 | 30 5% 30 5% | 1/10W 1/10W | | L701 L703 L705 L707 | 1-410-667-31 1-408-609-41 1-408-609-41 1-408-609-41 | INDUCTOR | 22UH 33UH 33UH 33UH | |
| RV2 | | RIABLE RESISTOR> RES. ADJ. CARBO | N 2.2K | | | | <tra< td=""><td>NSISTOR></td><td></td><td></td></tra<> | NSISTOR> | | |
| T1 T3 | <tr <br="">1-404-806-21 1-416-012-11</tr> | ANSFORMER> COIL COIL | | | | Q701 Q702 Q703 Q704 Q705 | | TRANSISTOR BI TRANSISTOR BI TRANSISTOR BI TRANSISTOR BI TRANSISTOR BI | 7871 7871 7871 | |
| | | | | | | | | | | |
| T4 X1 | | COIL (STAL> VIBRATOR, CERAM | IIC | | | Q706 Q707 Q708 Q709 Q710 | 8-729-906-70 8-729-200-17 8-729-200-17 8-729-200-17 8-729-120-28 | TRANSISTOR BITRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2: | SA1091-0 SA1091-0 SA1091-0 | |
| *** | ********* | :****** | ****** | ****** | ****** | Q711 Q712 | 8-729-120-28 8-729-120-28 | TRANSISTOR 2: TRANSISTOR 2: | SC1623-L5L6 SC1623-L5L6 | |
| | *A-1331-223-A | C BOARD, COMPLE | | | | Q713 Q714 | 8-729-216-22 | TRANSISTOR 2: TRANSISTOR 2: | SA1162-G | |
| | *4-341-752-01 | EYELET (EY1~EY4 | , EY6~EY12 |) | | | <res< td=""><td>SISTOR></td><td></td><td></td></res<> | SISTOR> | | |
| C70 C70 C70 | 1 1-162-114-00 3 1-123-946-00 5 1-162-116-00 | PACITOR> CERAMIC O. BLECT 4. CERAMIC 68 | 0047MF 7MF 30PF | 20% | 2KV 250V 2KV | JR701 JR703 R701 R702 R703 | 1-216-296-00 1-216-296-00 1-202-848-00 1-202-838-00 1-202-815-11 | METAL GLAZE SOLID SOLID | 0 5% 0 5% 680K 10% 100K 20% 47K 20% | 1/8W 1/8W 1/2W 1/2W 1/2W |
| C70 C70 C71 C71 C71 | 9 1-163-005-11 0 1-163-005-11 1 1-101-880-00 2 1-163-121-00 | CERAMIC CHIP 47 CERAMIC 47 CERAMIC CHIP 15 | 70PF 70PF 7PF 50PF | 10% 10% 10% 5% 5% 5% | 50V 50V 50V 50V 50V | R704 R705 R710 R711 R712 | 1-202-842-11 1-216-367-11 1-215-899-11 1-202-820-11 1-215-899-11 | SOLID METAL OXIDE METAL OXIDE SOLID METAL OXIDE | 220K 10% 0.68 5% 15K 5% 1.5K 20% 15K 5% | 1/2W W F W F 1/2W W F |
| C71 C71 C71 | 4 1-163-121-00 6 1-124-122-11 | CERAMIC CHIP 15 ELECT 10 | | 5% 20% | 50V 50V 50V | R713 R714 R715 R716 R717 | 1-202-820-11 1-215-899-11 1-202-820-11 1-247-700-11 1-249-405-11 | SOLID METAL OXIDE SOLID CARBON CARBON | 1.5K 20% 15K 5% 1.5K 20% 100 5% 100 5% | 1/2W W F 1/2W 1/4W F 1/4W F |
| CNO | <00 002*1-508-786-00 403*1-564-511-11 421*1-508-768-00 | PLUG. CONNECTOR | R 8P | | | R718 R720 R722 R724 R725 | 1-247-700-11 1-249-417-11 1-247-713-11 1-249-417-11 1-216-067-00 | CARBON CARBON CARBON CARBON METAL GLAZE | 100 5% 1K 5% 1K 5% 1K 5% 5.6K 5% | /4W F /4W F /4W F /4W F /10W |
| D70 D70 D70 D70 | 1 8-719-911-19 2 8-719-911-19 3 8-719-911-19 | ODE> DIODE 188119 DIODE 188119 DIODE 188119 DIODE 188119 | | | | R726 R727 R728 R729 R730 | 1-216-067-00 1-216-067-00 1-216-037-00 1-216-037-00 1-216-037-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 5.6K 5% 5.6K 5% 330 5% 330 5% 330 5% | /10 W /10 W /10 W /10 W /10 W |

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| REF.NO. | PART NO. | DESCRIPTION | | | REMARK | REF.NO. | PART NO. | DESCRIPTION | i - | | REMARK |
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| R731 R732 R733 R734 R735 | 1-216-017-00 1-216-017-00 1-216-017-00 1-202-549-00 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE SOLID METAL GLAZE | | | | C1684 C1690 C1801 C1802 C1803 | 1-137-122-91 1-124-046-00 1-124-910-11 1-124-910-11 1-137-126-91 1-137-126-91 | | 0 002245 | 5% 20% 20% 20% 5% | 63V 160V 50V 50V 63V |
| R738 R739 R740 R741 R742 | 1-216-025-00 1-216-025-00 1-216-025-00 1-216-089-00 1-216-295-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 100 5% 100 5% 100 5% 47K 5% 0 5% | 1/10W 1/10W 1/10W 1/10W | | C1805 C1806 C1807 C1809 | 1-137-126-91 1-137-132-91 1-137-132-91 1-124-360-00 1-136-104-00 | FILM | 0.01MF 0.1MF 0.1MF 1000MF 0.16MF | 5% 5% 5% 20% 5% | 63V 63V 63V 16V 200V |
| R743 R747 R749 R751 R753 | 1-249-434-11 1-216-488-11 1-215-926-00 1-216-489-11 1-216-073-00 | METAL OXIDE | 27K 5% 18K 5% 33K 5% 27K 5% 10K 5% | 1/4W 3W 3W 3W 1/10W | F F | C1810 C1811 C1812 C1813 C1814 | 1-137-028-11 1-162-318-11 1-124-927-11 1-137-130-91 1-124-907-11 | ELECT Film Elect | 4.7MF 0.047MF 10MF | 10% 10% 20% 5% 20% | 63V 500V 50V 63V 50V |
| R758 R759 R760 | 1-249-419-11 1-249-419-11 1-249-419-11 | CARBON CARBON | 1.5K 5% 1.5K 5% 1.5K 5% | 1/4W 1/4W 1/4W | | C1815 C1816 C1817 C1818 C1819 | 1-124-907-11 1-126-233-11 1-124-927-11 1-124-910-11 1-137-132-91 | BLECT BLECT BLECT BLECT FILM | 10MF 22MF 4.7MF 47MF 0.1MF | 20% 20% 20% 20% 5% | 50V 50V 50V 50V 63V |
| RV701 | 1-230-641-11 | RES, ADJ, ME | TAL GLAZE 2 | . 2M | | C1820 C1822 | 1-126-103-11 1-137-043-11 | ELECT FILM | 470MF 0.0047MF | 20% 10% | 16V 400V |
| | | | | | | | | INECTOR> | | | |
| | *A-1341-570-A | D1 BOARD, CO | MPLETE ***** | | | CN0607 | 7*1-568-879-51 2*1-564-512-11 | PIN, CONNECT | OR 4P | | |
| | ************* *A-1341-570-A *4-341-751-01 *4-341-752-01 4-382-854-11 | EYELET (EY1, EYELET (EY3, SCREW (M3X10 | EY2) EY4)), P, SW (+) |) | | CN0630 CY1 | /*1-568-879-51 *1-564-512-11 *1-568-878-51 *1-508-765-00 <dig< td=""><td></td><td>OR 3P OR (5MM PIT</td><td>CH) 3P</td><td></td></dig<> | | OR 3P OR (5MM PIT | CH) 3P | |
| | | ACITOR> | | | | D1601 | 8-719-911-19 8-719-109-97 | DIODE 188119 | S-R2 | | |
| C1602 C1603 C1605 | 1-124-903-11 1-126-320-11 1-137-134-91 1-124-907-11 1-124-910-11 | BLECT BLECT FILM BLECT BLECT | 1MF 10MF 0.22MF 10MF 47MF | 20% 20% 5% 20% 20% | 50V 16V 63V 50V 50V | D1603 D1605 D1606 | 8-719-979-85 8-719-911-19 8-719-981-01 8-719-911-19 | DIODE EGP20G DIODE 1SS119 DIODE ERA81- | 004 | | |
| | 1-124-902-00 1-102-112-00 1-136-103-00 1-124-903-11 1-137-127-91 | | | | 50V 50V 200V 50V | D1608 D1611 D1612 D1613 | 8-719-981-01 8-719-911-19 8-719-970-87 8-719-109-89 | DIODE ERA81- DIODE ISS119 DIODE ERA38- DIODE RD5.6E | 004 06 5-B2 | | |
| C1614 C1615 C1617 C1618 C1620 | 1-137-127-91 1-124-903-11 1-137-038-91 1-102-074-00 1-136-601-11 | ELECT FILM CERAMIC FILM | 0.015MF 1MF 0.001MF 0.001MF 0.01MF | 20% 10% 10% | 50V 400V 50V 630V | D1614 D1680 D1801 D1802 D1803 | 8-719-911-19 8-719-970-87 8-719-981-01 8-719-911-19 8-719-911-19 | DIODE 1SS119 DIODE ERA38-I DIODE ERA81-I DIODE 1SS119 DIODE 1SS119 | 06 | | |
| C1622 | 1-124-557-11 | ELECT | 1000MF | 20% | 25V | D1804 D1805 | 8-719-911-19 8-719-801-35 | DIODE 188119 THYRISTOR SHO | | | |
| C1623 C1625 C1626 C1627 C1628 | 1-137-038-91 1-126-320-11 1-137-132-91 1-137-136-91 1-124-907-11 | FILM ELECT FILM FILM ELECT | 0.001MF 10MF 0.1MF 0.47MF 10MF | 5% | 400V 16V 63V 63V 50V | D1806 D1807 D1808 | 8-719-981-01 8-719-981-01 8-719-911-19 | DIODE ERA81-O DIODE ERA81-O DIODE ISS119 | 004 004 | | |
| C1629 C1630 C1631 C1632 C1633 | 1-136-557-11 1-102-244-00 1-124-907-11 1-124-907-11 1-124-907-11 | FILM CERAMIC ELECT ELECT ELECT | 0.0033MF 220PF 10MF 10MF 10MF | 10% 10% 20% 20% | 630V 500V 50V 50V 50V | D1810 D1811 D1812 D1813 | 8-719-911-19 8-719-300-33 8-719-911-19 8-719-911-19 | DIODE 135119 DIODE RU-3AM DIODE 155119 DIODE 155119 | | | |
| C1634 C1635 | 1-137-043-11 1-129-718-00 | FILM FILM | 0.0047MF 0.022MF | 10% | 400V 630V | IC1601 | <ic> 8-759-135-80</ic> | IC UPC358C | | | |
| C1637 C1680 C1681 | 1-137-122-91 1-124-797-11 1-129-702-00 | FILM ELECT FILM | 0.0022MF 0.47MF 0.001MF | 5% 20% | 63V 160V 630V | IC1603 IC1604 IC1801 | 8-759-987-16 8-759-987-16 8-749-920-58 *4-341-752-01 | IC LM393P IC LM393P IC SI-3090CA EYELET; IC180 |)1 | | |

| REF.NO. PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | | | REMAR |
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| IC1802 8-752-052-88 IC1803 8-759-135-80 | IC CXA1526P IC UPC358C | | R1617 R1619 | 1-216-081-00 1-216-085-00 | METAL GLAZE METAL GLAZE | 22K 33K | 5% 5% | |
| <c01< td=""><td>L></td><td></td><td>R1621</td><td>1-215-876-71</td><td>METAL OXIDE</td><td>15K</td><td>5% 5%</td><td>1W F 1W F</td></c01<> | L> | | R1621 | 1-215-876-71 | METAL OXIDE | 15K | 5% 5% | 1W F 1W F |
| L1601 | L> INDUCTOR 33MMH COIL, DYNAMIC CONVERSION CHOKE COIL EYELET; L1607 COIL (WITH CORE) (PMC) COIL, HCC DUST CORE 3.9MMH MSISTOR> | E | R1623 R1624 R1625 | 1-249-429-11 1-216-061-00 1-249-430-11 | CARBON METAL GLAZE CARBON | 10K 3.3K 12K | 5% 5% 5% | 1/4W 1/10W 1/4W |
| L1801 1-459-592-11 | COIL (WITH CORE) (PMC) | | R1626 R1627 | 1-249-409-11 1-249-415-11 | CARBON CARBON | 220 680 | 5% 5% | 1/4W 1/4W |
| L1802 I-459-087-00 | COIL, HEE DUST CURE 3.9MMH | | R1628 | 1-216-057-00 1-249-429-11 | METAL GLAZE CARBON CARRON | 2.2K 10K | 5% 5% | 1/10W 1/4W 1/4W |
| · <tra< td=""><td>NSISTOR></td><td></td><td>R1631</td><td>1-216-057-00</td><td>METAL GLAZE</td><td>2.2K</td><td>5% 5%</td><td>1/4W 1/10W</td></tra<> | NSISTOR> | | R1631 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% 5% | 1/4W 1/10W |
| Q1601 8-729-173-38 Q1602 8-729-119-78 Q1603 8-729-119-78 Q1604 8-729-173-38 Q1605 8-729-173-38 | TRANSISTOR 2SA733-K TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SA733-K TRANSISTOR 2SA733-K | | R1632 R1633 R1634 R1635 | 1-249-431-11 1-249-421-11 1-216-093-00 1-216-073-00 | CARBON CARBON METAL GLAZE METAL GLAZE | 15K 2.2K 68K 10K | 5% 5% 5% | 1/4W 1/4W 1/10W 1/10W |
| Q1606 8-729-119-80 Q1607 8-729-119-80 Q1608 8-729-300-80 Q1609 8-729-140-96 | TRANSISTOR 2SC2688-LK TRANSISTOR 2SC2688-LK TRANSISTOR 2SB860 TRANSISTOR 2SD774-34 | | R1636 R1637 R1638 R1639 R1640 | 1-216-073-00 1-216-057-00 1-249-405-11 1-249-405-11 1-249-405-11 | METAL GLAZE METAL GLAZE CARBON CARBON CARBON | 10K 2.2K 100 100 100 | 5% 5% 5% 5% | 1/10W 1/10W 1/4W 1/4W F 1/4W F |
| Q1610 8-729-119-78 Q1611 8-729-119-78 Q1612 8-729-173-38 Q1613 8-729-011-02 Q1614 8-729-173-38 | TRANSISTUR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SA733-K TRANSISTOR 2SK1917 TRANSISTOR 2SA733-K | | R1641 R1644 R1645 R1646 R1647 | 1-249-405-11 1-216-081-00 1-216-113-00 1-216-065-00 1-216-067-00 | CARBON METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 100 22K 470K 4.7K 5.6K | 5%% 5%% 5%% | 1/4W 1/10W 1/10W 1/10W 1/10W |
| Q1615 8-729-011-06 Q1616 8-729-173-38 Q1617 8-729-119-78 Q1618 8-729-119-78 Q1802 8-729-173-38 | TRANSISTOR 2SC3840K TRANSISTOR 2SA733-K TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SA733-K | | R1648 R1650 R1652 R1653 R1654 | 1-249-435-11 1-249-425-11 1-216-025-00 1-216-107-00 1-247-889-00 | CARBON CARBON METAL GLAZE METAL GLAZE CARBON | 33K 4.7K 100 270K 270K | 5% 5% 5% | 1/4W 1/4W 1/1OW 1/1OW 1/4W |
| Q1803 8-729-119-78 Q1804 8-729-119-78 Q1805 8-729-140-97 Q1806 8-729-119-78 Q1807 8-729-140-97 | TRANSISTOR 2SA733-K TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2688-LK TRANSISTOR 2SC2688-LK TRANSISTOR 2SC2688-LK TRANSISTOR 2SC2688-LK TRANSISTOR 2SC2785-HFE TRANSISTOR 2SD774-34 TRANSISTOR 2SC2785-HFE | | R1655 R1656 R1657 R1658 R1659 | 1-215-876-71 1-249-413-11 1-249-393-11 1-249-437-11 1-216-295-00 | METAL OXIDE CARBON CARBON CARBON METAL GLAZE | 15K 470 10 47K 0 | 5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% | 1W F 1/4W 1/4W F 1/4W 1/1OW |
| Q1809 8-729-173-38 Q1809 8-729-19-15 Q1810 8-729-140-96 Q1811 8-729-119-78 Q1812 8-729-119-78 Q1813 8-729-119-78 | TRANSISTOR 2SD2012 TRANSISTOR 2SD2012 TRANSISTOR 2SD2774-34 TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE | | R1660 R1661 R1662 R1664 R1665 | 1-216-089-00 1-216-073-00 1-216-097-00 1-249-412-11 1-216-459-00 | METAL GLAZE METAL GLAZE METAL GLAZE CARBON METAL OXIDE | 47K 10K 100K 390 2.7K | 5% 5% 5% 5% | 1/1 OW 1/1 OW 1/1 OW 1/4 W F 2W F |
| | | | R1671 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 2W F 1/1 OW |
| | SISTOR> METAL GLAZE 0 5% 1/ | 10W | R1680 R1681 R1682 | 1-249-417-11 1-249-429-11 | CARBON CARBON CARBON | 1K 10K | 5% 5% 5% | 1/4W 1/4W |
| JR1 | METAL GLAZE 0 5% 1/ METAL GLAZE 3.3K 5% 1/ CARBON 22K 5% 1/ | 10W 10W 4W 10W | R1683 R1684 R1685 | 1-249-433-11 1-249-411-11 1-249-436-11 1-249-441-11 | CARBON CARBON CARBON | 22K 330 39K 100K | 5% 5% | 1/4W 1/4W 1/4W 1/4W |
| R1604 1-249-429-11 R1605 1-216-081-00 | | 74W 10W | R1686 R1687 | 1-249-441-11 1-249-441-11 | CARBON CARBON | 100K 100K | 5% 5% | 1/4W 1/4W |
| R1606 1-249-425-11 R1607 1-249-436-11 R1608 1-216-091-00 | CARBON 4.7K 5% 1/ CARBON 39K 5% 1/ METAL GLAZE 56K 5% 1/ | 4W 4W 10W | R1801 R1802 R1804 R1806 | 1-249-409-11 1-249-409-11 1-247-891-00 1-216-103-00 | CARBON CARBON CARBON METAL GLAZE | 220 220 330K 180K | 5% 5% 5% 5% | 1/4 W 1/4 W 1/4 W 1/10W |
| R1609 1-216-082-00 R1610 1-216-689-11 R1611 1-216-113-00 | METAL GLAZE 39K 5% 1/ | 10W 10W | R1807 | 1-247-891-00 | CARBON | | | 1/464 |
| R1612 1-249-425-11 R1613 1-249-425-11 | CARBON 4.7K 5% 1/ CARBON 4.7K 5% 1/ | | R1811 | 1-215-461-00 1-249-423-11 1-249-413-11 1-216-083-00 | METAL CARBON CARBON METAL GLAZE | 47K 3.3K 470 27K | 1% 5% 5% | 1/460 1/460 1/460 1/1/00 1/1/00 |
| R1615 1-249-427-11 R1616 1-216-057-00 | | 4W 10W | R1812 | 1-216-091-00 | METAL GLAZE | 56K | 5 % | 1/104 |

D1 D2 VM

| REF.NO. PART NO. | DESCRIPTION | | | REMARK | REF.NO. | PART NO. | DESCRIPTION | | | REMARK |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------|------------------------------------------|-------------------|----------------------------------|--------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------|--------------------------------------|-------------|
| R1813 1-249-417-11 R1815 1-216-069-00 R1816 1-216-065-00 R1817 1-216-059-00 R1818 1-216-049-00 | CARBON METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 1K 5% 6.8K 5% 4.7K 5% 2.7K 5% 1K 5% | 1/4W 1/10W 1/10W 1/10W 1/10W | | D1854 | 8-719-300-33 8-719-300-33 8-719-300-33 | DIODE RU-3AM DIODE RU-3AM | | | |
| R1819 1-216-079-00 R1820 1-249-417-11 R1821 1-216-379-11 R1822 1-249-423-11 R1824 1-249-417-11 | CARBON METAL OXIDE CARBON | 18K 5% 1K 5% 6.8 5% 3.3K 5% 1K 5% | 1/10W 1/4W 2W 1/4W 1/4W | F | IC1852 | <1C> 8-759-987-16 8-759-987-16 8-759-708-09 | IC LM393P IC LM393P | | | |
| R1825 1-215-857-71 R1826 1-249-404-00 R1827 1-215-875-71 R1828 1-249-441-11 R1829 1-249-414-11 | CARBON METAL OXIDE CARBON | 10 5% 82 5% 10K 5% 100K 5% 560 5% | 1W 1/4W 1W 1/4W 1/4W | F | L1851 | <01 1-460-200-11 | COIL (WITH C | ORE) | | |
| R1830 1-249-411-11 R1831 1-249-426-11 R1832 1-215-864-71 R1833 1-249-421-11 R1834 1-216-091-00 | CARBON METAL OXIDE CARBON | 330 5% 5.6K 5% 150 5% 2.2K 5% 56K 5% | 1/4W 1/4W 1W 1/4W 1/10W | F | Q1852 | 8-729-012-26 8-729-012-26 8-729-931-45 | TRANSISTOR I | RF540Y | | • |
| R1835 1-249-393-11 | | 10 5% | 1/4W | | | <res< td=""><td>ISTOR></td><td></td><td></td><td></td></res<> | ISTOR> | | | |
| R1836 1-249-435-11 R1837 1-249-435-11 R1838 1-216-379-11 R1839 1-249-410-11 | CARBON METAL OXIDE CARBON | 10 5% 33K 5% 33K 5% 6.8 5% 270 5% | 1/4W 1/4W 2W 1/4W | F | R1852 R1853 R1854 | 1-249-435-11 1-249-417-11 1-247-887-00 1-249-437-11 | CARBON CARBON CARBON | 33K 57 1K 57 220K 57 47K 57 470K 57 | % 1/4W % 1/4W % 1/4W % 1/4W | |
| R1840 1-249-429-11 R1841 1-249-437-11 R1842 1-249-429-11 R1843 1-249-421-11 R1846 1-249-429-11 | CARBON CARBON CARBON | 10K 5% 47K 5% 10K 5% 2.2K 5% 10K 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | | R1855 R1856 R1857 R1858 | 1-247-895-00 1-249-427-11 1-249-423-11 1-249-426-11 | CARBON CARBON CARBON CARBON | 6.8K 5% 3.3K 5% 5.6K 5% | | |
| R1847 1-216-065-00 R1848 1-249-429-11 R1849 1-216-065-00 | METAL GLAZE CARBON | 4.7K 5% 10K 5% 4.7K 5% | 1/10W 1/4W | | R1860 | 1-249-433-11 | CARBON | 2.2K 57 | (1/4 W | |
| | | | 1/10W | | R1862 | 1-216-463-00 1-215-875-71 | METAL OXIDE | 12K 5% | 2₩ 1₩ | F F |
| ************************************** | D2 BOARD, COMP | LETE | ****** | ******* | R1864 R1865 | 1-249-441-11 1-215-869-71 | METAL OXIDE | 12K 5% 10K 5% 100 5% 100K 5% 1K 5% | | F |
| *4 -341-752-01 | EYELET (EY990~ | EY993) | | | R1867 | 1-249-434-11 1-249-441-11 1-249-406-11 | CARBON | 27K 5% 100K 5% 120 5% | (1/4W (1/4W (1/4W | |
| <cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td></td><td><vad< td=""><td>IABLE RESISTO</td><td>) \</td><td></td><td></td></vad<></td></cap<> | ACITOR> | | | | | <vad< td=""><td>IABLE RESISTO</td><td>) \</td><td></td><td></td></vad<> | IABLE RESISTO |) \ | | |
| C1851 1-124-478-11 C1852 1-124-478-11 C1853 1-130-487-00 | ELECT 1 | 00MF 00MF 1.022MF | 20% | 25V 25V 50V | RV1851 | 1-241-629-11 | | | | |
| C1854 1-102-973-00 C1855 1-130-471-00 | CERAMIC 1 | 00PF 0.001MF | 5% 5% 5% | 50V 50V | | ' <tra< td=""><td>NSFORMER></td><td></td><td></td><td></td></tra<> | NSFORMER> | | | |
| C1856 1-137-128-91 C1857 1-137-120-91 | | .022MF | 5% 5% | 63V 63V | T1851 | 1-437-212-11 | TRANSFORMER, | FERRITE (| (VPDT) | |
| C1857 1-137-120-91 C1858 1-102-228-00 C1859 1-124-798-11 | CERAMIC 4 | 70PF MF | 10% 20% | 500V 160V | | *4-341-752 - 01 | | | ***** | ******* |
| C1860 1-137-132-91 | | . 1MF | 5% | 63V | | A-1342-189-A | | | ****** | ******** |
| C1861 1-124-798-11 C1862 1-136-104-00 | FILM 0 | MF .16MF | 20% 5% | 160V 200V | | | ********* | ***** | | |
| C1863 1-129-765-00 | FILM 0 | 0.047MF | 10% | 200V | | 4-382-854-11 | SCREW (M3X10) | , P, SW (| (+) | |
| <con< td=""><td>NECTOR></td><td></td><td></td><td></td><td></td><td><cap< td=""><td>ACITOR></td><td></td><td></td><td></td></cap<></td></con<> | NECTOR> | | | | | <cap< td=""><td>ACITOR></td><td></td><td></td><td></td></cap<> | ACITOR> | | | |
| CN1823*1-573-299-11 | CONNECTOR, BOA | RD TO BOAR | D 10P | | | 1-124-119-00 1-101-880-00 | | 330MF 47PF | 20) 5% | 16V 50V |
| <010 | DE> | | | | C1703 C1704 | 1-102-115-00 1-161-830-00 | CERAMIC CERAMIC | 560PF 0.0047MF | 10) | 50V 50V |
| | DIODE 1SS119 | | | | C1705 | 1-124-120-11 | ELECT | 220MF | 201 | 16 V |
| 8-719-911-19 | DIODE 188119 | | | 1 | C1706 | 1-123-935-00 | ELECT | 33MF | 201 | 160V |

The components identified by shading and mark $\stackrel{A}{\Delta}$ are critical for safety.

Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



| REF.NO. PART NO. | DESCRIPTION | | | REMARK | REF.NO. | PART NO. | DESCRIPTION | [| L | REMARK |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------|------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------|--------------------------------------------|-----------------------------------------|
| C1707 1-124-907-11 C1708 1-101-006-00 C1709 1-108-704-11 C1710 1-137-052-91 C1711 1-162-318-11 | MYLAR 0.1MI FILM 0.04' CERAMIC 0.00 | 7MF 1 1MF 1 | 10% 10% 10% | 50V 50V 200V 400V 500V | R1722 R1723 R1724 R1725 | 1-249-414-11 1-249-385-11 1-249-429-11 1-249-436-11 1-249-417-11 | CARBON CARBON | 560 5% 2.2 5% 10K 5% 39K 5% 1K 5% 330 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| C1712 1-124-799-11 C1713 1-162-318-11 C1714 1-137-052-91 C1716 1-124-907-11 C1718 1-124-120-11 C1719 1-124-907-11 | CERAMIC 0.001 FILM 0.04 ELECT 10MF ELECT 220MI | IMF 1 7MF 1 2 7 | 20% 10% 10% 20% 20% | 160V 500V 400V 50V 16V | R1726 R1727 R1729 R1731 R1732 | 1-249-411-11 1-249-402-11 1-216-451-11 1-249-420-11 1-249-426-11 1-249-419-11 | METAL OXIDE CARBON CARBON | 56 5% | 1/4W 1/4W 2W 1/4W 1/4W 1/4W | |
| <con< td=""><td>INECTOR></td><td></td><td></td><td></td><td>*****</td><td>*********</td><td></td><td></td><td>******</td><td>******</td></con<> | INECTOR> | | | | ***** | ********* | | | ****** | ****** |
| CN1819*1-568-882-81 CN1830*1-568-878-51 | PIN, CONNECTOR 7P PIN, CONNECTOR 3P | | | | | *A-1346-074-A | D BUARD, COM | | | |
| <dio D1701 8-719-911-19</dio | | | | | | 4-200-001-01 4-201-023-01 *4-341-751-01 | SPACER, INSU | ~EY47.EY51~ | EY57,EY€ 5,EY77~E | 60~EY64, EY84,EY87, |
| D1702 8-719-911-19 D1703 8-719-911-19 D1704 8-719-982-37 D1705 8-719-982-37 | DIODE ISSII9 | | | | | *4-341-752-01 4-382-854-11 4-812-134-00 | EYELET (EY1~ SCREW (M3X10 | EY9,EY11~EY), P, SW (+ | 27.EY33) | |
| D1706 8-719-911-19 D1707 8-719-911-19 | | | | | | <cap< td=""><td>ACITOR></td><td></td><td></td><td></td></cap<> | ACITOR> | | | |
| <c01< td=""><td>L></td><td></td><td></td><td></td><td>C603 A</td><td>1-130-202-00 1-164-246-51</td><td>CERAMIC</td><td>0.022MF 0.0022MF</td><td>10% 20%</td><td>400V</td></c01<> | L> | | | | C603 A | 1-130-202-00 1-164-246-51 | CERAMIC | 0.022MF 0.0022MF | 10% 2 0% | 400V |
| L1702 1-408-418-00 | INDUCTOR 561 | JH | | | C608 | 1-124-910-11 1-124-903-11 1-137-125-91 | ELECT | 47MF 1MF 0.0068MF | 20% 20% 5% | 50V 50V 63V |
| <tra< td=""><td>NSISTOR></td><td></td><td></td><td></td><td>C613</td><td>1-129-722-00</td><td>FILM</td><td>0.047MF</td><td>10%</td><td>630V</td></tra<> | NSISTOR> | | | | C613 | 1-129-722-00 | FILM | 0.047MF | 10% | 630V |
| Q1702 8-729-173-38 Q1703 8-729-208-39 Q1704 8-729-119-78 | TRANSISTOR 2SC278! TRANSISTOR 2SA733- TRANSISTOR 2SA1300 TRANSISTOR 2SC278! | -K 5A-Y 5-HFE | | | C617 C618 | 1-126-943-11 1-102-030-00 1-162-116-00 | CERAMIC CERAMIC CERAMIC | 2200MF 330PF 680PF 470PF | 20% 10% 10% | 25V 500V 2KV 2KV |
| Q1705 8-729-208-72 Q1706 8-729-119-78 | TRANSISTOR 2SC3298 TRANSISTOR 2SC2789 | 5-HFE | | | C621 C622 | 1-102-030-00 1-124-347-00 1-128-320-11 | ELECT ELECT | 330PF 100MF 2200MF | 10% 20% 20% | 500V 160V 16V |
| Q1707 8-729-140-96 Q1708 8-729-907-06 Q1709 8-729-255-12 | TRANSISTOR 2SD774- TRANSISTOR BF199-/ TRANSISTOR 2SC255 | AMMO OMMA | | | C623 | 1-102-030-00 | CERAMIC ELECT | 330PF 2200MF | 10% 20% | 500V 35V |
| <res< td=""><td>SISTOR></td><td></td><td></td><td>i</td><td>C625 C627 C628 C629</td><td>1-126-800-51 1-137-124-91 1-124-910-11 1-124-907-11</td><td>ELECT FILM ELECT ELECT</td><td>2200MF 0.0047MF 47MF 10MF</td><td>20% 5% 20% 20%</td><td>35V 63V 50V 50V</td></res<> | SISTOR> | | | i | C625 C627 C628 C629 | 1-126-800-51 1-137-124-91 1-124-910-11 1-124-907-11 | ELECT FILM ELECT ELECT | 2200MF 0.0047MF 47MF 10MF | 20% 5% 20% 20% | 35V 63V 50V 50V |
| R1701 1-249-405-11 R1702 1-249-420-11 R1703 1-249-405-11 R1704 1-249-420-11 R1705 1-247-736-11 | CARBON 100 CARBON 1.8F CARBON 100 CARBON 1.8F CARBON 56 | 6 5% 5% 6 5% | 1/4W 1/4W 1/4W 1/4W 1/2W | F | C631 C632 C633 C636 C640 | 1-163-075-00 1-137-128-91 1-163-078-11 1-137-132-91 1-126-233-11 | CERAMIC CHIP FILM CERAMIC CHIP FILM BLECT | 0.047MF 0.022MF | 10% 5% 10% 5% 20% | 25 V 63 V 25 V 63 V 50 V |
| R1706 1-249-414-11 R1707 1-249-412-11 R1709 1-249-416-11 R1710 1-249-385-11 R1711 1-249-432-11 | CARBON 560 CARBON 390 CARBON 820 CARBON 2.2 CARBON 18K | 5% 5% | 1/4W 1/4W | F | C801 C803 | 1-137-116-11 1-164-695-11 1-137-130-91 1-124-902-00 1-124-907-11 | FILM CERAMIC CHIP FILM ELECT ELECT | IMF | 5% 5% 5% 20% 20% | 200V 50V 63V 50V 50V |
| R1712 1-249-435-11 R1713 1-249-438-11 R1714 1-249-429-11 R1715 1-216-476-11 R1716 1-249-417-11 | CARBON 33K CARBON 56K CARBON 10K METAL OXIDE 180 CARBON 1K | 5% 5% 5% | | 14 14 | C807 C808 C809 C810 | 1-137-039-91 1-162-114-00 1-124-808-51 1-163-001-11 1-162-318-11 | FILM CERAMIC ELECT CERAMIC CHIP CERAMIC | 0.0015MF 0.0047MF 10MF | 10% 20% 10% | 400 V 2K V 200 V 50 V 500 V |
| R1717 1-249-432-11 R1718 1-249-410-11 R1719 1-249-419-11 R1720 1-249-441-11 | CARBON 18K CARBON 270 CARBON 1.5F CARBON 100F | 5% < 5% | 1/4W 1/4W 1/4W 1/4W | | C813 C815 | 1-108-704-11 1-162-117-00 | MYLAR CERAMIC | 0.1MF 100PF | 10% 10% | 200 V 500 V |



Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark \triangle are critical for safety.
Replace only with part number specified.

| REF.NO. PAR | T NO. | DESCRIPTION | | | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|----------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------|-------------------------------------|--------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------|
| C819 1-1 C821 <u>本</u> 1-1 C822 <u>本</u> 1-1 | 02-244-00 26-103-11 37-347-11 62-116-91 24-902-00 | ELECT FILM CERANIC | 470MR | 10% 20% 3% 10% 20% | 500V 16V 2XV 2XV 50V | CN0522 CN0523 | *1-564-512-11 1-573-296-11 | PIN, CONNECTOR (5MM PITCH) 3P PLUG, CONNECTOR 9P CONNECTOR, BOARD TO BOARD 10P PIN, CONNECTOR 3P | |
| C824 1-1 C825 A. 1-1 C826 A. 1-1 C827 1-1 | 37-122-91 | FILM CERAMIC FILM FILM | 0.0022MF | 5% 10% 3% 5% 10% | 63V 2KV 400V 63V 400V | CN0526 CN0529 CN5521 | *1-568-881-51 *1-508-784-00 *1-568-878-51 | PIN, CONNECTOR (PC BOARD) 6P PIN, CONNECTOR 6P PIN, CONNECTOR (5MM PITCH) 1P PIN, CONNECTOR 3P CONNECTOR PIN (DY) 6P | |
| C831 1-1 C832 1-1 C833 1-1 C834 1-1 | 37-114-11 | ELECT ELECT FILM FILM | 0.33MF 4.7MF 47MF 1.2MF 0.68MF | 5% 20% 20% 5% 5% | 200V 160V 50V 200V 200V | D602 D606 D608 D611 | <pre></pre> | DIODE RU-3AM DIODE RU-3AM DIODE RU-3AM | |
| C836 1-1 C837 1-1 C838 1-1 C839 1-1 | 02-228-00 37-038-91 08-704-11 23-950-00 | CERAMIC FILM MYLAR ELECT | 470MF 470PF 0.001MF 0.1MF 47MF | 20% 10% 10% 10% 20% | 25V 500V 400V 200V 250V | D612 D613 D614 D616 D619 | 8-719-510-09 8-719-920-68 8-719-920-68 8-719-110-31 | DIODE DIOSC6M DIODE ESAB92-02 DIODE ESAB92-02 DIODE RDI2ES-B2 DIODE MAI52WK | |
| C842 1-1 C846 1-1 C851 1-1 | 24-480-11 02-228-00 37-053-91 23-024-21 37-120-91 | ELECT | 470MF 470PF 0.068MF 33MF 0.001MF | 20% 10% 10% 5% | 25V 500V 400V 160V 63V | D620 D624 D801 D802 D804 | 8-719-911-19 8-719-312-40 8-719-018-82 8-719-300-33 | DIODE 1SS119 DIODE R2K DIODE RGP02-20EL-6394 | |
| C853 1-1 C854 A 1-1 C857 1-1 | 24-910-11 62-115-9 1 | CERANIC ELECT | 47MF | 10% 20% 10% 20% 5% | 25V 50V 2KV 50V 63V | D808 | 8-719-109-88 8-719-110-03 8-719-911-55 8-719-911-55 | DIODE RD5.6ES-B1 DIODE RD7.5ES-B2 DIODE UO5G DIODE UO5G DIODE RU30ALFS1 | |
| C866 1-1 C869 1-1 C870 1-1 | | FILM FILM FILM | 0.047MF 0.001MF 0.1MF 0.001MF 0.001MF | 10% 5% 5% 5% 2% | 100V 63V 63V 63V 100V | D815 D816 D818 D821 D822 | 8-719-300-33 8-719-979-85 8-719-109-93 8-719-400-18 | DIODE RU-3AM | |
| C873 1-1 C875 1-1 C877 1-1 | 24-907-11 37-120-91 02-038-00 24-902-00 64-232-11 | FILM CERAMIC | 10MF 0.001MF 0.001MF 0.47MF 0.01MF | 20% 5% 20% 10% | 50V 63V 500V 50V 50V | D824 D825 D826 D827 | 8-719-976-64 8-719-400-18 | DIODE RGPO2-17 DIODE MA152WK DIODE MA152WK DIODE MTZJ-T-72-2.2A | |
| C1502 1-1 C1503 1-1 C1504 1-1 | 24-903-11 63-141-00 | CERAMIC CHIP ELECT | 1MF 0.001MF | 5% 20% 5% 20% 20% | 50V 50V 50V 25V 50V | D830 D831 D832 D833 | 8-719-400-18 8-719-400-18 8-719-400-18 | DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK | |
| C1507 1-1 C1508 1-1 C1509 1-1 | 24-767-00 | FILM FILM ELECT ELECT ELECT | 0.33MF 0.15MF 470MF 2.2MF 10MF | 5% 10% 20% 20% 20% | 63V 100V 25V 50V | D1503 | 8-719-911-55 8-719-982-03 | | |
| C1513 1-1 C1514 1-1 C1515 1-1 | 64-004-11 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 0.1MF | 20% 5% 10% 10% 10% | 25V 50V 25V 25V 500V | 10602 106034 10801 | <1C> 8-759-073-29 8-759-908-15 8-749-923-44 8-759-987-16 8-759-987-16 | IC TL431CLP IC SFH617G-P IC LM393P | 対点、(株別) 株場(2円) |
| | | NECTOR> | | | | | 8-759-081-31 8-759-506-46 | IC MC78L12ACPRP | |
| CNUUIO*1-5 CNO504*1-5 CNO505*1-5 | 68-877-51 68-882-51 68-880-51 | PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO | DR 2P DR 7P DR 5P | | | L602 | <0011 | | |
| | | PIN, CONNECTO | | | ; ; ; | | 2 220 370 11 | 2000 100000 | |

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.



| REF.NO. PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------|-------------------------------------------|------------------------------------------------|----------|
| L604 1-410-396-41 L605 1-459-442-00 L606 1-459-442-00 L609 1-410-396-41 L622 1-412-533-21 | DESCRIPTION FERRITE BEAD INDUCTOR COIL (WITH CORE) COIL (WITH CORE) FERRITE BEAD INDUCTOR INDUCTOR 47UH INDUCTOR 47UH INDUCTOR 2.2MMH COIL, AIR CORE COIL (WITH CORE) COIL, CHOKE 1000UH COIL, DRAM CORE (CDI) COIL, FERRITE (PMC) INDUCTOR 3.3UH INDUCTOR 3.3UH INDUCTOR 3.3UH INDUCTOR 3.3UH INDUCTOR 3.3UH INDUCTOR 10UH | | JR510 JR511 JW208 R601 R602 | 1-216-296-00 1-216-296-00 1-217-587-00 1-216-353-00 1-216-065-00 | METAL GLAZE METAL GLAZE RES, SHORT METAL OXIDE METAL GLAZE | 0 0.01 2.2 4.7K | | 1/8W 1/8W 1/4W 1W 1/10W | F |
| L623 1-412-533-21 L802 1-408-947-00 L803 1-420-872-00 L807 1-459-483-00 L808 1-421-541-00 | INDUCTOR 47UH INDUCTOR 2.2MMH COIL, AIR CORE COIL (WITH CORE) COIL, CHOKE 1000UH | | R603 R604 R605 R606 R607 | 1-215-901-00 1-247-885-00 1-216-313-00 1-216-033-00 1-216-061-00 | METAL OXIDE CARBON METAL GLAZE METAL GLAZE METAL GLAZE | 33K 180K 8.2 220 3.3K | 5% 5% 5% | | Ŧ |
| L809 1-459-111-00 L810 1-460-197-11 L811 1-412-519-11 L812 1-412-519-11 | COIL, PERMITE (PMC) INDUCTOR 3.3UH INDUCTOR 33UH INDUCTOR 3.3UH | | R608 R609 R610 R611 R612 | 1-215-928-11 1-216-005-00 1-247-885-00 1-249-405-11 1-247-894-11 | METAL OXIDE METAL GLAZE CARBON CARBON CARBON | 68K 15 180K 100 430K | 5%%%%% 5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% | 3W 1/10W 1/4W 1/4W 1/4W | F |
| L817 1-423-374-11 L1501 1-412-525-21 L1502 1-412-525-21 L1503 1-412-525-21 | TRANSFORMER, LINEARITY (HLT) INDUCTOR 10UH INDUCTOR 10UH INDUCTOR 10UH | | R613 R614 R615 R617 R618 | 1-216-260-00 1-216-487-11 1-216-487-11 1-216-033-00 1-216-449-11 | METAL GLAZE METAL OXIDE METAL OXIDE METAL GLAZE METAL OXIDE | 390K 12K 12K 220 56 | 5%%% 5%%%% 5%% | 3W 1/10W | F F |
| PS603A 1-532-686-91 | LINK, 1C 2.7A | | R623 | 1-216-045-00 1-216-659-11 1-216-041-00 1-216-073-00 1-216-449-11 | METAL GLAZE | 680 2.2K 470 10K 56 | 5% 0.50% 5% 5% | 1/10W 1/10W 1/10W 1/10W 2W | F |
| <tra Q601 8-729-016-14 Q602 8-729-177-22 Q603 8-729-900-53</tra | TRANSISTOR BUZ91A-B3155 TRANSISTOR 2SB772-Q TRANSISTOR DTC114EK TRANSISTOR 2SA1162-G TRANSISTOR 2SC4927-01 TRANSISTOR 2SC4927-01 TRANSISTOR 2SB734-34 TRANSISTOR 2SB734-34 TRANSISTOR 2SA1162-G TRANSISTOR 2SK1916-53F87 TRANSISTOR 2SK1916-53F87 TRANSISTOR 2SC2688-LK TRANSISTOR 2SC2688-LK TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SD774-34 TRANSISTOR 2SD1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 | | R626 R627 R628 R629 R630 | 1-216-635-11 1-249-398-11 1-215-464-00 1-215-464-00 1-216-045-00 | CARBON METAL METAL | 220 27 62K 62K 680 | 0.50% 5% 1% 1% 5% | 1/10 W 1/4 W 1/4 W 1/4 W 1/10 W | F |
| Q610 8-729-216-22 Q611 8-729-119-78 Q801 8-729-016-32 Q802 8-729-140-97 Q804 8-729-216-22 | TRANSISTOR 2SA1162-G TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC4927-01 TRANSISTOR 2SB734-34 TRANSISTOR 2SB734-34 TRANSISTOR 2SB734-62-G | | R631 R633 R634 R635 R636 | 1-216-397-11 1-249-415-11 1-215-477-00 1-216-073-00 1-216-452-11 | CARBON Metal | 4.7 680 220K 10K 180 | 5%%%%% 5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% | 1/4W 1/4W 1/10W | F |
| 9805 8-729-216-22 9806 8-729-011-00 9807 8-729-119-80 9812 8-729-120-28 9813 8-729-140-96 | TRANSISTOR 25A1162-G TRANSISTOR 25K1916-53F87 TRANSISTOR 25C2688-LK TRANSISTOR 25C1623-L5L6 TRANSISTOR 25C1623-L5L6 | | R637 R638 R639 R640 R651 | 1-216-113-00 1-216-073-00 1-216-089-00 1-207-905-00 1-216-069-00 | METAL GLAZE | 470K 10K 47K 0.27 6.8K | 5% 5% 10% 5% | 1/10 W 1/10 W 1/10 W 2 W 1/10 W | F |
| Q818 8-729-216-22 Q1501 8-729-120-28 Q1502 8-729-901-01 Q1503 8-729-216-22 Q1504 8-729-901-01 | TRANSISTOR DICIAGER TRANSISTOR 2SA1162-G | | R801 R804 R805 R806 R807 | 1-216-069-00 1-217-778-11 1-216-679-11 1-216-061-00 1-216-037-00 | METAL GLAZE FUSIBLE METAL CHIP METAL GLAZE METAL GLAZE | 6.8K 1K 15K 3.3K 330 | 5% | 1/10 W 1 W 1/10 W 1/10 W 1/10 W | F |
| | SISTOR> METAL GLAZE 0 5% 1/1 | | R808 R809 R811 R812 R813 | 1-216-085-00 1-216-097-00 1-216-033-00 1-216-061-00 1-216-065-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 33K 100K 220 3.3K 4.7K | 5% 5% 5% | 1/10 W 1/10 W 1/10 W 1/10 W 1/10 W | |
| JR003 1-216-295-00 JR004 1-216-295-00 JR005 1-216-295-00 JR500 1-216-296-00 | METAL GLAZE 0 5% 1/1 METAL GLAZE 0 5% 1/1 METAL GLAZE 0 5% 1/1 METAL GLAZE 0 5% 1/8 | OW OW W | R814 R815 R819 R820 R821 | 1-216-091-00 1-216-081-00 1-247-755-11 1-216-097-00 1-216-481-11 | METAL GLAZE METAL GLAZE CARBON METAL GLAZE METAL OXIDE | 56K 22K 1.8K 100K 1.2K | 5% 5% 5% 5% | 1/10 W 1/10 W 1/2W 1/10 W 3W | F |
| JR502 1-216-296-00 JR503 1-216-296-00 JR504 1-216-296-00 JR505 1-216-296-00 | METAL GLAZE 0 5% 1/8 | พ พ พ | R822 R823 R824 R825 R826 | 1-216-481-11 1-216-065-00 1-216-673-11 1-216-342-11 1-216-166-00 | METAL OXIDE METAL GLAZE METAL CHIP METAL OXIDE METAL GLAZE | 1.2K 4.7K 8.2K 0.27 47 | 5% 5% 0.50% 5% 5% | 1/10 4 | F |
| JR506 1-216-296-00 JR507 1-216-296-00 JR508 1-216-296-00 JR509 1-216-296-00 | METAL GLAZE 0 5% 1/8 METAL GLAZE 0 5% 1/8 | m M | R828 R829 R830 | 1-216-121-00 1-249-429-11 1-216-687-11 | METAL GLAZE CARBON METAL CHIP | 1M 10K 33K | 5% | 1/10 C 1/4W 1/10 C | F |



Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark $ilde{\Lambda}$ are critical for safety.

Replace only with part number specified.

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK | REF.NO. | PART NO. | DESCRIPTION | | | REMARK |
|-------------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------|-----------------------|-----------------|---------------------------------|------------------------------------------------------------------------------|--------------------------------|---------------------------|---------------------|----------------------------|
| R832 R833 | 1-216-089-00 1-216-105-00 | METAL GLAZE | 47K | 5% 5% | 1/10W | | T804 | 1-424-584-11 | TRANSFORMER, | DYNAMIC FOC | US | |
| R834 R835 | 1-216-113-00 | METAL GLAZE METAL GLAZE | 47K 220K 470K 2.2K 68K | 5% 5% | 1/10W 1/10W | | ***** | ******* | ********* | ******* | ****** | ******* |
| R836 | 1-216-242-00 | | | 5% | 1/8W | F | | *A-1347-069-A | V BOARD, COMP | | | |
| R837 R838 | 1-216-695-11 1-216-101-00 | METAL CHIP | 68K 150K 3.3K | 0.50% 5% | 1/10W 1/10W | | | CAD. | ACI TOD | | | |
| R839 R840 R841 | 1-216-061-00 1-216-264-00 1-249-397-11 | METAL GLAZE CARBON | 560K 22 | 5% 5% | 1/10W 1/8W 1/4W | F | COL | 1-126-233-11 | ACITOR> | 22MF | 20% | 50 V |
| R842 | 1-216-454-11 | METAL OXIDE | 390 | 5% | 2W | F | C02 C03 C04 | 1-126-233-11 1-163-038-00 1-163-038-00 1-126-233-11 1-163-037-11 | CERAMIC CHIP CERAMIC CHIP | 0.1MF 0.1MF | 20% | 25V 25V |
| R846 R847 | 1-216-671-11 1-216-097-00 | METAL CHIP | 6 8K | 0.50% 5% | 1/IUW | | C04 C05 | 1-126-233-11 1-163-037-11 | ELECT CERAMIC CHIP | 22MF 0.022MF | 20% 10% | 50V 25V |
| R848 R849 | 1-215-881-11 | METAL OXIDE | 100K 68 15 | | | F | LU6 | 1-124-120-11 | RIRCT | 22045 | 20% | 16V 50V |
| R851 R852 | 1-247-743-11 1-249-389-11 | CARBON CARBON | 220 4.7 | 5% 5% | 1/2W 1/4W | F F | C07 C08 C09 C10 | 1-124-903-11 1-163-097-00 1-163-141-00 1-163-133-00 | CERAMIC CHIP CERAMIC CHIP | 15PF 0.001MF | 5% 5% 5% | 50V 50V |
| | | | | 5% 5% | 1/4W 1/4W | F F | C10 | 1-163-133-00 | | | | 50V |
| R858 R859 | 1-249-423-11 | METAL UNIDE | 3.3K | 5% | 1/ 4₩ 2⊎ | F | C12 | 1-163-037-11 1-163-127-00 1-163-117-00 1-163-097-00 1-163-103-00 | CERAMIC CHIP | 0.022MF 270PF 100PR | 10% 5% 5% | 25V 50V 50V |
| R864 R865 | 1-216-687-11 | METAL CHIP | 33K 1M | 0.50% | 1/10W 1/4W | | C14 C15 | 1-163-097-00 1-163-103-00 | CERAMIC CHIP | 15PF 27PF | 5% 5% | 50V 50V |
| R866 R867 | 1-216-687-11 1-216-113-00 | CARBON CARBON METAL OXIDE METAL CHIP METAL CHIP METAL GLAZE CARBON | 33K 470K | 0.50% 5% | 1/10W 1/10W | | C16 | 1-164-232-11 | | | | 50V |
| R868 R871 | 1-249-428-11 | CARBON | 8.2K | 5% 5% | 1/4W | | C17 | 1-164-232-11 1-163-809-11 1-163-093-00 1-163-089-00 1-163-125-00 | CERAMIC CHIP | 0.047MF 10PF | 10% 5% 0.25PF | 25V 50V 50V |
| R872 R873 | 1-249-393-11 | CARBON CARBON | 10 10 | 5% 5% | 1/4W 1/4W | F | C20 | 1-163-125-00 | | | | 50V |
| R876 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | F | C21 C22 C23 C24 C25 | 1-163-833-00 1-163-117-00 1-163-210-00 | CERAMIC CHIP | 0.068MF 100PF | 5% | 25V 50V |
| R877 R884 R889 | 1-215-907-11 1-216-697-11 1-216-089-00 | METAL CHIP | 828 | 0.50% | 3W 1/10W 1/10W | F | C23 | 1-163-210-00 1-164-505-11 1-164-505-11 | CERAMIC CHIP | Z.ZMF | 5% | 50V 16V 16V |
| R891 R893 | 1-216-089-00 1-216-089-00 1-215-878-00 | METAL GLAZE METAL OXIDE | 47K 33K | | | F | C26 | | | 2.2 | | 25V |
| R894 | 1-216-264-00 | | 560K 18K | 5% | 1/8W | Ł. | C28 C30 | 1-163-809-11 1-163-137-00 1-137-033-11 | CERAMIC CHIP | 680PF 0.33MF | 5% 10% | 50V 100V |
| R895 R897 R898 | 1-216-079-00 1-216-089-00 1-216-262-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 18K 47K 470K | 5% 5% | 1/10W 1/10W | | C32 C33 | 1-163-038-00 1-124-910-11 | CERAMIC CHIP ELECT | 0.1MF 47MF | 20% | 25 V 50 V |
| R1501 | 1-216-674-11 | METAL CHIP | 9.1K | 0.50% | 1/10W | | C34 C35 | 1-124-907-11 1-163-243-11 1-163-239-11 1-216-295-00 1-163-135-00 | ELECT CERAMIC CHIP | 10MF 47PF | 20% 5% | 50 V 50 V |
| R1502 R1503 | 1-216-663-11 1-216-065-00 | METAL CHIP METAL GLAZE | 3.3K 4.7K | 0.50% 5% | 1/10W 1/10W | | C36 C37 | 1-163-239-11 1-216-295-00 | CERANIC CHIP METAL GLAZE | 33PF 0 5% | 5% 1/10W | 50V |
| R1504 R1505 R1506 | 1-216-081-00 1-216-081-00 1-216-057-00 | METAL GLAZE | 22K 22K 2.2K | | | | C39 | 1-163-135-00 | | | 5% 5% | 50V 50V |
| R1508 | 1-216-683-11 | METAL CHIP | | 0.50% | 1/10W | | C53 | 1-163-038-00 1-163-038-00 | CERAMIC CHIP | 0.1MF | . W.C. | 25V 25V |
| R1509 R1510 | 1-216-085-00 1-249-382-11 | METAL GLAZE CARBON | 33K 1.2 | 5% 5% 5% | 1/10W 1/4W | | | | | | | |
| R1511 R1512 | 1-215-888-00 1-216-370-11 | METAL OXIDE | 220 1.2 | 5% 5% | 2₩ 2₩ | F | CN1727 | | NECTOR> | OD OD | | |
| R1514 R1550 | 1-216-049-00 1-216-105-00 | | 1 K 220 K | 5% 5% 5% | 1/10W 1/10W | | | *1-564-511-11 *1-564-511-11 | | | | |
| R1551 R1552 | 1-216-065-00 1-216-105-00 | METAL GLAZE | 4.7K 220K | 5% 5% | 1/10W 1/10W | | | <tri< td=""><td>MMER></td><td></td><td></td><td></td></tri<> | MMER> | | | |
| | CUAD | TABLE RESISTOR | | | | | CT01 | 1-141-418-11 | CAP, ADJ | | | |
| RV601 | | RES, ADJ, CAR | | 2K | | | | <010 | DE> | | | |
| | | | | | | | DO1 | 8-719-400-18 | DIODE MAI52WK | | | |
| 7601 A | | NSFORMER> S.R.T (SMT89) | artike. | ka, dendatka. | ang Williams | NAMES OF STREET | D03 | 8-719-104-34 8-719-104-34 | DIODE 1S2836 | | | |
| 7801 ★ 7803 | 1-439-524-11 1-437-090-00 | TRANSFORMER A | SSY, F | LYBACK | (NX-3) |)00A2) | D09 D10 | 8-719-400-18 8-719-400-18 | DIODE MA152WK DIODE MA152WK | | | |



| REF.NO. | PART NO. | DESCRIPTION | | REMARK | REF.NO. | PART NO. | DESCRIPTION | | L | REMARK |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------|-------------------------------------------|---------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------|------------|
| D11 D12 | | DIODE MA152WK DIODE MA152WK | | | R34 R35 R36 R37 | 1-216-081-00 1-216-081-00 1-216-057-00 1-216-057-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 22K 5% 22K 5% 2.2K 5% 2.2K 5% | 1/10W 1/10W 1/10W 1/10W | |
| 1001 1002 1003 1004 1005 | 8-759-073-28 8-759-037-64 8-759-146-48 | IC SDA5231-2 IC UPD424256C-80 IC CXD1050A-15P | | | R38 R39 R40 R41 R42 | 1-218-773-11 1-216-103-00 1-216-043-00 1-216-033-00 1-216-033-00 | METAL CHIP METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE | | 1/10W 1/10W 1/10W 1/10W 1/10W | |
| L01 L02 | <c01< td=""><td>L> INDUCTOR 1</td><td>5UH 7UH</td><td></td><td>R43 R44 R46 R47 R48</td><td>1-216-033-00 1-216-033-00 1-216-073-00 1-216-057-00 1-216-071-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE</td><td>220 5% 220 5% 10K 5% 2.2K 5% 8.2K 5%</td><td>1/10W 1/10W 1/10W 1/10W 1/10W</td><td></td></c01<> | L> INDUCTOR 1 | 5UH 7UH | | R43 R44 R46 R47 R48 | 1-216-033-00 1-216-033-00 1-216-073-00 1-216-057-00 1-216-071-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 220 5% 220 5% 10K 5% 2.2K 5% 8.2K 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | |
| L03 L04 L05 | 1-408-417-00 1-408-413-00 1-408-409-00 | INDUCTOR 4'INDUCTOR 2 | 70H 20H 00H | | R49 R50 R54 R55 | 1-216-071-00 1-216-071-00 1-216-073-00 1-216-069-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 8.2K 5% 8.2K 5% 10K 5% 6.8K 5% | 1/10W 1/10W 1/10W 1/10W | |
| | <tra< td=""><td>NS1STOR></td><td></td><td></td><td></td><td><crv< td=""><td>STAL></td><td></td><td></td><td></td></crv<></td></tra<> | NS1STOR> | | | | <crv< td=""><td>STAL></td><td></td><td></td><td></td></crv<> | STAL> | | | |
| 001 003 004 | 8-729-120-28 | TRANSISTOR 2SC16 TRANSISTOR 2SC16 TRANSISTOR 2SC16 | 23-L5L6 23-L5L6 | | X02 | 1-567-495-11 | OSCILLATOR, C | | | |
| $\frac{906}{907}$ | 8-729-120-28 8-729-120-28 | TRANSISTOR 2SC16 TRANSISTOR 2SC16 | | | | | ******** | ****** | **** | ****** |
| 908 | 8-729-216-22 | TRANSISTOR 2SA11 | 62-G | | | *1-643-004-11 | ******* | | | |
| Q09 Q10 Q11 Q12 | 8-729-120-28 8-729-120-28 8-729-120-28 8-729-901-00 | TRANSISTOR 2SC16 TRANSISTOR 2SC16 TRANSISTOR 2SC16 TRANSISTOR DTC12 | 23-L5L6 23-L5L6 | | | <cap< td=""><td>ACITOR></td><td></td><td></td><td></td></cap<> | ACITOR> | | | |
| | | | | | C083 C087 | | CERAMIC CHIP | | | 25V 25V |
| **** | | ISTOR> | | | | .701 | un aman. | | | |
| JR02 R01 R02 R03 | 1-216-295-00 1-216-025-00 1-216-025-00 1-216-055-00 | METAL GLAZE 0 METAL GLAZE 10 METAL GLAZE 10 METAL GLAZE 1. | 0 5% 0 5% | 1/10W 1/10W 1/10W 1/10W | CN1008 | | NECTOR> PLUG, CONNECT | OR 13P | | |
| R04 | 1-216-049-00 | METAL GLAZE 1K | 5% | 1/10W | | <jac< td=""><td>'K'></td><td></td><td></td><td></td></jac<> | 'K'> | | | |
| R05 R06 R07 R08 | 1-216-041-00 1-216-029-00 1-216-041-00 1-216-071-00 | METAL GLAZE 47 METAL GLAZE 15 METAL GLAZE 47 METAL GLAZE 8. | 0 5% 0 5% 2K 5% | 1/10W 1/10W 1/10W 1/10W | J81 J82 | | TERMINAL BLOC | K, S 3P | | |
| R09 | 1-216-091-00 | METAL GLAZE 56 | K 5% | 1/10W | | <c01< td=""><td>L></td><td></td><td></td><td></td></c01<> | L> | | | |
| R10 R11 R12 R13 | 1-216-057-00 1-216-057-00 1-216-057-00 1-216-065-00 | METAL GLAZE 4. | 2K 5% 2K 5% 7K 5% | 1/10W 1/10W 1/10W 1/10W | L081 L082 | 1-408-409-00 1-408-409-00 | | 10UH 10UH | | |
| R15 R16 | 1-216-061-00 | | 3K 5% | 1/10W 1/10W | | <res< td=""><td>ISTOR></td><td></td><td></td><td></td></res<> | ISTOR> | | | |
| R17 R20 R21 R22 | 1-216-033-00 1-216-033-00 1-216-049-00 1-216-049-00 1-216-057-00 | METAL GLAZE 22 METAL GLAZE 22 METAL GLAZE 1K METAL GLAZE 1K METAL GLAZE 2. | 0 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | JR020 JR021 R081 R082 | 1-216-295-00 1-216-295-00 1-216-073-00 1-216-065-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 5% 0 5% 10K 5% 4.7K 5% 2.2K 5% | 1/10 W 1/10 W 1/10 W 1/10 W | |
| R23 R24 R25 R26 R27 | 1-216-065-00 1-216-091-00 1-216-065-00 1-216-089-00 1-216-043-00 | METAL GLAZE 56 | 7K 5% 'K 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | R083 R084 R085 | 1-216-057-00 1-249-419-11 1-249-419-11 | METAL GLAZE CARBON CARBON | 1.5K 5% 1.5K 5% | 1/10 W 1/W 1/W | |
| R28 | 1-216-043-00 | METAL GLAZE 56 | | 1/10W | | <swi< td=""><td>TCH></td><td></td><td></td><td></td></swi<> | TCH> | | | |
| R29 R30 R31 R32 | 1-216-043-00 1-216-037-00 1-216-061-00 1-216-073-00 | METAL GLAZE 56 METAL GLAZE 33 | 0 5% 0 5% 3K 5% | 1/10W 1/10W 1/10W 1/10W | S081 S082 S083 | 1-571-532-21 | SWITCH, TACTI SWITCH, TACTI SWITCH, TACTI | L | | |
| R33 | 1-216-017-00 | METAL GLAZE 47 | | 1/10W | ***** | ******* | ********** | ******* | **** ** | ****** |

H2 J

| | PART NO. | DESCRIPTION | | | REMARK | REF.NO. | PART NO. | DESCRIPTION | | | REMAR | lK |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------|------------------------|---------------------------|--------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------|----------------|-------------------|---------------------------------|----|
| | *1-642-997-11 | H2 BOARD | | | | C930 C931 | | ELECT CERAMIC CHIP | 47MF 2 | 20% | 16V 16V | |
| | *4-201-076-01 *4-374-987-01 *4-381-686-01 | GUIDE, LIGHT | | E | | C932 C933 C934 C935 C936 | 1-164-346-11 1-124-477-11 1-124-477-11 1-124-477-11 1-164-346-11 | ELECT ELECT | 47MF 2 | 20% 20% 20% | 16V 16V 16V 16V 16V | |
| | | NECTOR> | | | | C937 | | | | | 167 | |
| CN1132 | 2*1-568-882-51 | PIN, CONNECT | OR 7P | | | | 1-124-477-11 | CERAMIC CHIP ELECT | 47MF 2 | 0% | 16V | |
| | <010 | DE> | | | | 1 | <c01< td=""><td>INECTOR></td><td></td><td></td><td></td><td></td></c01<> | INECTOR> | | | | |
| D092 D093 D094 | 8-719-948-31 | DIODE LD-201 DIODE LD-201 DIODE LD-201 | VR | | | CN1210 CN1233 | *1-564-522-11 *1-564-518-11 | CONNECTOR, BO PLUG, CONNECT PLUG, CONNECT PLUG, CONNECT | OR 7P OR 3P | 50P | | |
| | <1C> | | | | | | <d10< td=""><td>IDE></td><td></td><td></td><td></td><td></td></d10<> | IDE> | | | | |
| I CO91 | 8-741-101-75 | IC SBX1610-1 | 1 | | | D901 | | DIODE MTZJ-9. | 1 | | | |
| | <res< td=""><td>ISTOR></td><td></td><td></td><td></td><td>D902 D903</td><td>8-719-921-69</td><td>DIODE MTZJ-9. DIODE MTZJ-9.</td><td>1</td><td></td><td></td><td></td></res<> | ISTOR> | | | | D902 D903 | 8-719-921-69 | DIODE MTZJ-9. DIODE MTZJ-9. | 1 | | | |
| R091 | 1-249-413-11 | CARBON | 470 5% | 1/4W | | D904 D905 | 8-719-921-69 8-719-921-69 | | 1 1 | | | |
| ***** | ******* | ****** | ****** | ****** | ****** | D906 D907 | 8-719-921-69 8-719-921-69 | | I | | | |
| | *A-1388-145-A | J BOARD, COM | | | | D908 D909 D910 | 8-719-921-69 8-719-921-69 | DIODE MTZJ-9. | 1 | | | |
| | <cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td>D911 D912</td><td>8-719-921-69 8-719-921-69</td><td>DIODE MTZJ-9. DIODE MTZJ-9.</td><td>1</td><td></td><td></td><td></td></cap<> | ACITOR> | | | | D911 D912 | 8-719-921-69 8-719-921-69 | DIODE MTZJ-9. DIODE MTZJ-9. | 1 | | | |
| C281 C291 C292 C295 | 1-124-442-00 1-101-005-00 1-101-005-00 1-163-009-11 1-163-009-11 | | | 20% 10% | 6.3V 50V 50V 50V | D913 D914 D915 | | DIODE MTZJ-9. DIODE MTZJ-9. | 1 | | | |
| C296 | 1-163-009-11 | | | 10% | 507 | D916 D917 | 8-719-921-69 8-719-921-69 | DIODE MTZJ-9. | 1 | | | |
| C901 C902 C904 C905 | 1-163-133-00 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 0.0047MF 470PF 470PF | 10% 10% 5% 5% | 50V 50V 50V 50V | D918 D919 D920 | 8-719-921-69 8-719-921-69 | DIODE MTZJ-9. | 1 | | | |
| C906 C907 | | CERAMIC CULD | 0.01MF | F9/ | 50V | D921 D922 | 8-719-921-69 8-719-921-69 | DIODE MTZJ-9. | 1 | | | |
| C908 C909 C910 | 1-163-133-00 1-163-133-00 1-101-004-00 1-163-017-00 | CERAMIC CERAMIC CHIP | 0.01MF 0.0047MF | 10% | 50V 50V 50V 50V | D923 D924 D925 | 8-719-921-69 8-719-921-69 | DIODE MTZJ-9. DIODE MTZJ-9. DIODE MTZJ-9. | 1 | | | |
| C911 | 1-163-017-00 | CERAMIC CHIP | | 10% | 50V | D926 D927 | 8-719-921-69 8-719-921-69 | DIODE MTZJ-9. | Ī | | | |
| C912 C913 C914 | 1-163-133-00 1-163-133-00 1-163-121-00 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 470PF | 5% 5% 5% | 50V 50V 50V | D928 | 8-719-921-69 | DIODE MTZJ-9. | I | | | |
| C915 C916 | 1-163-121-00 1-163-017-00 | CERAMIC CHIP CERAMIC CHIP | 150PF | 5% 10% | 50V 50V | | <jac< td=""><td>K></td><td></td><td></td><td></td><td></td></jac<> | K> | | | | |
| C917 | 1-163-017-00 | CERAMIC CHIP | | 10% | 507 | J291 J901 | 1-536-996-21 1-695-296-11 | TERMINAL BOARD | | T | | |
| C918 C919 C920 C921 | 1-163-133-00 1-163-133-00 1-163-017-00 1-163-017-00 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 470PF 470PF 0.0047MF | 5% 5% 10% 10% | 50V 50V 50V 50V | J903 J904 J905 | 1-561-534-41 1-695-296-11 1-695-293-11 | SOCKET 21P TERMINAL BLOCK SOCKET 21P | • | | | |
| C922 | 1-124-477-11 | ELECT | 47MF | 20% | 167 | J906 J907 | 1-695-296-11 1-695-293-11 | TERMINAL BLOCK SOCKET 21P | K, S | | | |
| C923 C924 | 1-164-346-11 1-124-477-11 | CERAMIC CHIP ELECT | | 20% | 16V 16V | | 2 475 275 11 | TOWNS MI | | | | |
| C925 C926 | 1-124-477-11 1-164-346-11 | ELECT CERAMIC CHIP | 47MF | 20% | 16V 16V | | <01 | | | | | |
| C927 C928 C929 | 1-124-477-11 1-124-477-11 1-124-477-11 | ELECT ELECT ELECT | 47MF 47MF 47MF | 20% 20% 20% | 16V 16V 16V | L291 L292 | | INDUCTOR, WIDE | | | | |

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| P |
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| REF.NO. PART NO. | DESCRIPTION | | REMARK | REF.NO. PAR | T NO. | DESCRIPTION | | | REMARK |
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| Q281 8-729-120-28 Q282 8-729-120-28 | ANSISTOR> TRANSISTOR 2SC1623 TRANSISTOR 2SC1623 TRANSISTOR 2SA1162 | -L5L6 | | R924 1-2 R925 1-2 | 16-039-00 16-039-00 16-089-00 16-039-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 390 5% 390 5% 47% 5% 390 5% | 1/10W 1/10W 1/10W 1/10W | |
| | SISTOR> | | | R928 1-2 | 16-067-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 390 5% 47K 5% 5.6K 5% 470K 5% | 1/10W 1/10W 1/10W 1/10W | |
| JR201 1-216-296-00 JR901 1-216-295-00 JR905 1-216-296-00 JR906 1-216-295-00 JR909 1-216-296-00 | METAL GLAZE O METAL GLAZE O METAL GLAZE O | 5% 1/8W 5% 1/10W 5% 1/8W 5% 1/10W 5% 1/8W | | R931 1-2 R932 1-2 R933 1-2 | 16-216-00 16-113-00 16-073-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 5.6K 5% 470K 5% | 1/8W 1/10W 1/10W 1/10W | |
| JR910 1-216-296-00 JR911 1-216-296-00 JR915 1-216-295-00 JR917 1-216-296-00 | METAL GLAZE O METAL GLAZE O METAL GLAZE O METAL GLAZE O | 5% 1/8W 5% 1/8W 5% 1/10W 5% 1/8W | | R935 1-2 R936 1-2 R937 1-2 R938 1-2 | 16-022-00 16-022-00 16-113-00 16-039-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 10K 5% 5.6K 5% 75 5% 75 5% 470K 5% 390 5% 390 5% | 1/10W 1/10W 1/10W 1/10W | |
| JR918 1-216-295-00 JR919 1-216-296-00 JR920 1-216-295-00 JR921 1-216-295-00 | METAL GLAZE O METAL GLAZE O | 5% 1/10W 5% 1/8W 5% 1/10W 5% 1/10W | | R940 1-2 R941 1-2 | 116-188-00 116-067-00 116-113-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 5.6K 5% 470K 5% | 1/8W 1/10W 1/10W | |
| JR921 1-216-296-00 JR924 1-216-296-00 JR926 1-216-296-00 | METAL GLAZE O METAL GLAZE O | 5% 1/8W 5% 1/8W | | R943 1-2 R944 1-2 R945 1-2 | 16-089-00 16-188-00 16-089-00 16-022-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 390 5% 47K 5% 390 5% 47K 5% 75 5% | 1/10W 1/8W 1/10W 1/10W | |
| JR927 1-216-296-00 JR928 1-216-296-00 JR935 1-216-296-00 JR939 1-216-295-00 | METAL GLAZE O METAL GLAZE O METAL GLAZE O | 5% 1/8W 5% 1/8W 5% 1/8W 5% 1/8W 5% 1/10W | | R947 1-2 R948 1-2 R949 1-2 | 16-022-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 75 5% 10K 5% 470K 5% 5.6K 5% | 1/10W 1/10W 1/10W 1/10W | |
| JR940 1-216-295-00 JR942 1-216-296-00 JR944 1-216-295-00 JR946 1-216-296-00 JR947 1-216-295-00 | METAL GLAZE O METAL GLAZE O METAL GLAZE O | 5% 1/10W 5% 1/8W 5% 1/10W 5% 1/8W 5% 1/10W | | R951 1-2 R952 1-2 R953 1-2 | 16-067-00 16-113-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 5.6K 5% 470K 5% 390 5% 390 5% 390 5% | 1/10W 1/10W 1/8W 1/10W | |
| JR952 1-216-296-00 JR954 1-216-295-00 JR955 1-216-296-00 R283 1-216-073-00 | METAL GLAZE O METAL GLAZE O METAL GLAZE O METAL GLAZE 10K | 5% 1/8W 5% 1/10W 5% 1/8W 5% 1/10W | | R955 1-2 R956 1-2 R957 1-2 R958 1-2 | 16-039-00 16-089-00 16-039-00 16-089-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 47K 5% | 1/10W 1/10W 1/10W 1/10W | |
| R284 1-216-073-00 R286 1-216-097-00 R287 1-216-216-00 R288 1-216-216-00 | METAL GLAZE 100K METAL GLAZE 5.6K METAL GLAZE 5.6K | 5% 1/10W | | R960 1-2 R961 1-2 | 16-071-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 8.2K 5% 8.2K 5% 8.2K 5% | 1/10 W 1/10 W 1/10 W | ****** |
| R289 | | | | *A-1 | 622-005-A | P BOARD, COMP | | | |
| R901 1-216-039-00 R902 1-216-039-00 R903 1-216-113-00 R904 1-216-113-00 | METAL GLAZE 390 METAL GLAZE 390 METAL GLAZE 470K | 5% 1/10W 5% 1/10W 5% 1/10W | | C1401 1-1 | <cap< td=""><td>ACITOR></td><td>O 1MF</td><td>,</td><td>25V</td></cap<> | ACITOR> | O 1MF | , | 25V |
| R905 1-216-188-00 R906 1-216-039-00 R907 1-216-171-00 R908 1-216-171-00 | METAL GLAZE 390 METAL GLAZE 390 METAL GLAZE 75 METAL GLAZE 75 | 5% 1/8W 5% 1/10W 5% 1/8W 5% 1/8W | | C1402 1-1 C1403 1-1 C1404 1-1 C1405 1-1 | 63-038-00 63-017-00 63-037-11 63-097-00 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 0.1MF 0.0047MF 0.022MF 15PF | 10% 10% 5% | 25 V 50 V 25 V 50 V |
| R909 1-216-113-00 R910 1-216-113-00 R911 1-216-022-00 R913 1-216-067-00 R914 1-216-067-07 | METAL GLAZE 470K METAL GLAZE 75 METAL GLAZE 5.6K | 5% 1/10W 5% 1/10W 5% 1/10W | | C1407 1-1 C1408 1-1 C1409 1-1 | 63-097-00 63-038-00 63-017-00 24-903-11 63-038-00 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP | 0.1MF 0.0047MF IMF | 10% 20% | 50 V 25 V 50 V 50 V 25 V |
| R915 1-216-113-00 R916 1-216-113-00 R917 1-216-022-00 | METAL GLAZE 470K METAL GLAZE 470K METAL GLAZE 75 | (5% 1/10W (5% 1/10W | | C1412 1-1 C1414 1-1 C1416 1-1 | 63-038-00 63-038-00 63-121-00 63-129-00 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 0.1MF 150PF 330PF | 5% 5 5% 5 | 25V 25V 50V |
| R919 1-216-067-00 R920 1-216-067-00 R921 1-216-022-00 | METAL GLAZE 5.6K METAL GLAZE 5.6K METAL GLAZE 75 | 7 5% 1/10W 5% 1/10W | | C1419 1-1 C1420 1-1 | 63-129-00 64-005-11 63-038-00 | CERAMIC CHIP CERAMIC CHIP | 330PF 0.47MF 0.1MF | | 50V 25V 25V |
| R922 1-216-222-00 | METAL GLAZE 10K | 5% 1/8W | | C1421 1-1 | 63-038-00 | CERAMIC CHIP | U. IMF | 2 | 25V |



| REF.NO. PART NO. | DESCRIPTION | | REMARK | REF.NO. | PART NO. | DESCRIPTION | | REMARK |
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| C1422 1-163-038-00 C1423 1-163-038-00 C1424 1-163-009-11 C1425 1-163-009-11 C1426 1-164-232-11 | CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.01MF | 10% 10% 10% | 25V 25V 50V 50V 50V | | 1-236-071-11 <1C> | • | COMPONENT | |
| C1427 1-126-233-11 C1428 1-163-038-00 C1430 1-163-038-00 C1431 1-163-031-11 C1432 1-163-031-11 | ELECT 22MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF | 20% | 50V 25V 25V 50V 50V | IC1403 IC1404 IC1405 | 8-759-073-16 8-759-510-48 8-759-055-51 8-759-055-52 8-759-046-27 | IC SDA9087XG IC SDA9089XG IC SDA9086-3 | EG | |
| C1433 1-163-031-11 C1434 1-163-038-00 C1435 1-163-038-00 C1436 1-163-038-00 C1437 1-164-343-11 | CERAMIC CHIP 0.01MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.056MF | 10% | 50V 25V 25V 25V 25V | IC1410 | 8-759-504-21 8-759-037-45 8-759-081-30 | IC MC78L08AC | PRP | |
| C1438 1-163-005-11 C1441 1-164-005-11 C1442 1-164-005-11 C1443 1-163-251-11 C1444 1-164-005-11 | CERAMIC CHIP 470PF CERAMIC CHIP 0.47MF CERAMIC CHIP 0.47MF CERAMIC CHIP 100PF CERAMIC CHIP 0.47MF | 10% 5% | 50V 25V 25V 50V 25V | L1401 L1405 L1406 | 1-408-418-00 1-408-407-00 1-408-407-00 | | 56UH 6.8UH 6.8UH | |
| C1445 1-164-005-11 C1446 1-164-005-11 C1447 1-163-038-00 C1448 1-164-222-11 C1449 1-163-257-11 | CERAMIC CHIP 0.47MF CERAMIC CHIP 0.47MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.22MF CERAMIC CHIP 180PF | 5% | 25V 25V 25V 25V 50V | 01403 | 8-729-120-28 8-729-120-28 8-729-120-28 | TRANSISTOR 2 | SC1623-L5L6 | |
| C1450 1-164-005-11 C1452 1-163-038-00 C1453 1-163-038-00 C1454 1-163-038-00 C1455 1-163-133-00 | CERAMIC CHIP 0.47MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 470PF | 5% | 25V 25V 25V 25V 50V | Q1406 Q1407 Q1408 | 8-729-216-22 8-729-120-28 8-729-120-28 8-729-216-22 8-729-216-22 8-729-216-22 | TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 | SC1623-L5L6 SA1162-G SA1162-G | |
| C1456 1-163-133-00 C1457 1-164-005-11 C1461 1-164-005-11 C1462 1-164-005-11 C1463 1-126-101-11 | CERAMIC CHIP 470PF CERAMIC CHIP 0.47MF CERAMIC CHIP 0.47MF CERAMIC CHIP 0.47MF ELBCT 100MF | 5% 20% | 50V 25V 25V 25V 16V | Q1413 Q1414 Q1415 Q1416 Q1417 | 8-729-216-22 8-729-900-53 8-729-120-28 8-729-120-28 8-729-900-53 | TRANSISTOR 2 TRANSISTOR D TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR D | SA1162-G TC114EK SC1623-L5L6 SC1623-L5L6 TC114EK | |
| C1464 1-126-101-11 C1465 1-126-101-11 C1466 1-126-101-11 C1467 1-126-101-11 | ELECT 100MF ELECT 100MF ELECT 100MF ELECT 100MF CERAMIC CHIP 0.1MF | 20% 20% 20% 20% 10% | 16V 16V 16V 16V 25V | Q1419 Q1421 | 8-729-900-53 8-729-900-53 8-729-120-28 8-729-120-28 | TRANSISTOR D'TRANSISTOR 2 | TC114EK SC1623-L5L6 | |
| C1473 1-164-004-11 | | 10% 10% | 25V 25V | 101101 | <res< td=""><td>ISTOR></td><td></td><td></td></res<> | ISTOR> | | |
| C1482 | CERAMIC CHIP 220PF | 10% 20% | 25V 50V 50V | JR1402 JR1403 R1401 | 1-216-295-00 1-216-295-00 1-216-295-00 1-216-097-00 1-216-073-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 5% 0 5% 0 5% 100K 5% 10K 5% | I/I 0W I/I 0W I/I 0W I/I 0W I/I 0W |
| CN1514*1-568-879-51 CN1515*1-564-516-11 CN1516*1-568-879-51 | PIN, CONNECTOR 4P PLUG, CONNECTOR 13P | RD 10P | | R1404 R1405 R1406 | 1-216-025-00 1-216-025-00 1-216-049-00 1-216-051-00 1-216-057-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 100 5% 100 5% 1K 5% 1.2K 5% 2.2K 5% | 1/1 0W 1/1 0W 1/1 0W 1/1 0W 1/1 0W |
| <dic DI401 8-719-105-91</dic | | | | R1410 R1411 R1412 | 1-216-041-00 1-216-029-00 1-216-041-00 1-216-041-00 1-216-041-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 470 5% 150 5% 470 5% 470 5% 470 5% | 1/1 OW 1/1 OW 1/1 OW 1/1 OW 1/1 OW |
| FL1403 1-236-071-11 | TER> ENCAPSULATED COMPONENT ENCAPSULATED COMPONENT ENCAPSULATED COMPONENT ENCAPSULATED COMPONENT | | | R1415 R1417 R1418 | 1-216-041-00 1-216-041-00 1-216-033-00 1-216-121-00 1-216-027-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 470 5% 470 5% 220 5% 1M 5% 120 5% | 1/1 OW 1/1 OW 1/1 OW 1/1 OW 1/1 OW |
| FL1407 1-236-071-11 | ENCAPSULATED COMPONENT | | | | 1-216-033-00 1-216-023-00 | METAL GLAZE METAL GLAZE | 220 5% 82 5% | NI OM NI OM |



| REF.NO. PART NO. | DESCRIPTION | | REMARK | REF.NO. | PART NO. | DESCRIPTION | | · | REMARK |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------|--------------------------------------|
| R1424 1-216-041-00 R1425 1-216-041-00 R1426 1-216-041-00 R1427 1-216-041-00 R1429 1-216-091-00 | METAL GLAZE 470 METAL GLAZE 470 METAL GLAZE 470 METAL GLAZE 56K | 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W | | C011 C012 C014 C016 C018 | 1-163-117-00 1-163-117-00 1-163-117-00 1-163-141-00 1-164-505-11 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 100PF 100PF 0.001MF | 5% 5% 5% | 50 V 50 V 50 V 50 V 16 V |
| R1431 1-216-029-00 R1432 1-216-031-00 R1433 1-216-113-00 R1434 1-216-023-00 R1435 1-216-075-00 | METAL GLAZE 180 METAL GLAZE 470K METAL GLAZE 82 METAL GLAZE 12K | 5% 1/10W 5% 1/10W 5% 1/10W | | C019 C032 C035 C036 C037 | 1-126-233-11 1-163-117-00 1-163-037-11 1-164-005-11 1-163-117-00 | ELECT CERAMIC CHIP CERAMIC CHIP | 22MF 100PF 0.022MF 0.47MF | 20% 5% 10% | 50V 50V 25V 25V 50V |
| R1436 | METAL GLAZE 220 METAL GLAZE 820 METAL GLAZE 2.2K METAL GLAZE 1.5K | | | C501 C502 C503 C504 C505 | 1-163-020-00 1-164-232-11 1-137-123-91 1-137-025-91 1-124-925-11 | CERAMIC CHIP CERAMIC CHIP FILM FILM | 0.0082MF | 10% 10% 5% 10% | 50V 50V 63V 63V 50V |
| R1442 | METAL GLAZE 1.5K METAL GLAZE 470 METAL GLAZE 27K METAL GLAZE 18K | | | C506 C507 C508 C509 C510 | 1-162-568-11 1-164-489-11 1-164-232-11 1-164-004-11 1-124-925-11 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 0.33MF 0.22MF 0.01MF 0.1MF 2.2MF | 10% 10% 10% 10% 20% | 16V 16V 50V 25V 50V |
| R1449 1-216-033-00 R1450 1-216-033-00 R1451 1-216-073-00 R1452 1-216-689-11 R1453 1-216-025-00 | METAL GLAZE 220 METAL GLAZE 10K METAL GLAZE 39K METAL GLAZE 100 | 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W | | C511 C512 C513 C514 C515 | 1-137-102-11 1-126-103-11 1-163-209-00 1-163-105-00 1-163-009-11 | CERAMIC CHIP CERAMIC CHIP | 33PF | 10% 20% 5% 5% 10% | 250V 16V 50V 50V 50V |
| R1454 1-216-025-00 R1455 1-216-081-00 R1456 1-216-089-00 R1458 1-216-041-00 R1461 1-216-057-00 | METAL GLAZE 22K METAL GLAZE 47K METAL GLAZE 470 METAL GLAZE 2.2K | | | C519 C522 C523 C531 C532 | 1-164-161-11 1-163-141-00 1-163-141-00 1-164-493-11 1-164-489-11 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 0.001MF 0.001MF 0.047MF | 10% 5% 5% 10% | 50V 50V 50V 50V 16V |
| R1462 1-216-057-00 R1471 1-216-037-00 R1481 1-216-097-00 R1482 1-216-081-00 R1483 1-216-097-00 | METAL GLAZE 22K METAL GLAZE 100K | 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W | | C538 C541 C542 C543 C544 | 1-164-489-11 1-164-232-11 1-163-037-11 1-164-161-11 1-164-161-11 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 0.01MF 0.022MF 0.0022MF | 10% 10% 10% 10% 10% | 16V 50V 25V 50V 50V |
| R1484 1-216-083-00 R1485 1-216-041-00 R1486 1-216-033-00 R1487 1-216-065-00 R1492 1-216-033-00 | | 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W | | C544 C546 C547 C549 C550 C552 | 1-164-004-11 1-163-020-00 1-163-989-11 1-163-141-00 1-163-037-11 | CERAMIC CHIP | 0.033MF 0.001MF | 10% 10% 10% 5% 10% | 25V 50V 25V 50V 25V |
| R1493 1-216-081-00 R1494 1-216-174-00 R1495 1-216-059-00 R1496 1-216-065-00 R1497 1-216-041-00 | METAL GLAZE 100 METAL GLAZE 2.7M METAL GLAZE 4.7M METAL GLAZE 470 | 5% 1/10W 5% 1/8W 5% 1/10W 5% 1/10W 5% 1/10W | | C559 C560 C562 C563 C564 | 1-163-037-11 1-164-004-11 1-164-161-11 1-216-295-00 1-163-031-11 1-163-031-11 | CERAMIC CHIP CERAMIC CHIP METAL GLAZE CERAMIC CHIP CERAMIC CHIP | 0.1MF 0.0022MF 0 5% 0.01MF 0.01MF | 10% 10% 1/11W | 25V 50V 50V |
| | METAL GLAZE 1K YSTAL> | 5% 1/10W | | C565 C566 C567 C568 C569 | 1-163-031-11 1-163-031-11 1-163-009-11 1-163-009-11 1-164-161-11 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 0.01MF 0.01MF 0.001MF 0.001MF | 10% 10% 10% | 50V 50V 50V 50V 50V |
| X1401 1-567-505-11 X1402 1-567-504-11 | OSCILLATOR, CRYSTA | L L | | C570 | 1-162-568-11 | CERAMIC CHIP | 0.33MF | 10% | 16 V |
| ********** | | ****** | ******* | | <fil< td=""><td>TER></td><td></td><td></td><td></td></fil<> | TER> | | | |
| *A-1635-001-A | M BOARD, COMPLETE | | | CD001 | 1-577-364-11 | VIBRATOR, CEF | RAMIC | | |
| <ca.< td=""><td>PACITOR></td><td></td><td></td><td>1</td><td><con< td=""><td>NECTOR></td><td></td><td></td><td></td></con<></td></ca.<> | PACITOR> | | | 1 | <con< td=""><td>NECTOR></td><td></td><td></td><td></td></con<> | NECTOR> | | | |
| C001 1-163-117-00 C003 1-163-117-00 C007 1-163-117-00 C008 1-163-117-00 C010 1-163-117-00 | CERAMIC CHIP 100PF CERAMIC CHIP 100PF CERAMIC CHIP 100PF | 5% 5% 5% | 50V 50V 50V 50V 50V | CN1413 CN1426 CN1432 | *1-568-880-61 1-695-301-11 *1-568-881-51 *1-568-882-51 *1-564-511-11 | CONNECTOR, BO PIN, CONNECTO PIN, CONNECTO | DARD TO BOARI DR 6P DR 7P | 40P | |



| | PART NO. | | | | PART NO. | DESCRIPTION | | | | REMARK |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------|----------------------------------------|-------------------------------------------|--------|
| | <d10i< td=""><td>DE></td><td></td><td>R030 R032 R033 R034</td><td>1-216-049-00 1-216-049-00 1-216-049-00 1-216-057-00</td><td>METAL GLAZE METAL GLAZE</td><td>1 K 1 K 1 K 2.2 K</td><td>5% 5% 5%</td><td>1/10W 1/10W 1/10W 1/10W</td><td></td></d10i<> | DE> | | R030 R032 R033 R034 | 1-216-049-00 1-216-049-00 1-216-049-00 1-216-057-00 | METAL GLAZE METAL GLAZE | 1 K 1 K 1 K 2.2 K | 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W | |
| D001 D501 D503 D504 D510 | 8-719-027-82 8-719-800-76 8-719-401-31 8-719-400-18 8-719-105-91 | DE> DIODE MA3039H-TX DIODE ISS226 DIODE MA3047L-TX DIODE MA152WK DIODE RD5.6M-B2 IC SDA30C162 SOCKET, IC 68P; IC001 IC M27C512-2081-AE25 IC TDA2595/V9 IC CXD2018Q IC LM358D IC MC78L05ACPRP | | R035 R038 R049 R050 R051 | 1-216-057-00 1-216-073-00 1-216-049-00 1-216-073-00 1-216-081-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 2.2K 10K 1K 10K 22K | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | |
| | <1C> | | | R052 R053 | 1-216-073-00 1-216-065-00 | METAL GLAZE | 10K 4.7K | 5% 5% | 1/10W 1/10W | |
| I COO1 I COO3 I C501 | 8-759-072-93 *1-540-123-11 8-759-155-77 8-759-513-48 | IC SDA30C162 SOCKET, IC 68P; IC001 IC M27C512-20B1-AE25 IC TDA2595/V9 | | R054 R055 R067 | 1-216-081-00 1-216-081-00 1-216-053-00 | METAL GLAZE METAL GLAZE METAL GLAZE | | 5% 5% 5% 5% | 1/10W 1/10W 1/10W | |
| 10561 10562 10563 | 8-752-347-92 8-759-998-98 8-759-081-30 | IC LM358D IC MC78L05ACPRP | | R068 R069 R070 R501 R502 | 1-216-053-00 1-216-037-00 1-216-037-00 1-216-047-00 1-216-097-00 | METAL GLAZE | 1.5K 330 330 820 100K | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | |
| | <011 | > | | R503 | 1-216-067-00 | METAL GLAZE | 5.6K | 5% | 1/10W | |
| L001 L501 L561 L562 | 1-408-421-00 1-410-119-11 1-408-409-00 | INDUCTOR 100UH INDUCTOR 1MMH INDUCTOR 10UH INDUCTOR 10UH INDUCTOR 2.2MMH | | R504 R505 R506 R507 | 1-216-053-00 1-216-075-00 1-216-049-00 1-216-099-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 1.5K 12K 1K 120K | 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W | |
| L563 | 1-408-947-00 <tra< td=""><td>IC LM358D IC MC78L05ACPRP INDUCTOR 100UH INDUCTOR 1MMH INDUCTOR 10UH INDUCTOR 10UH INDUCTOR 2.2MMH NSISTOR> TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR DTC144EK TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G</td><td></td><td>R509 R510 R511 R512</td><td>1-216-039-00 1-216-073-00 1-216-097-00 1-216-049-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE</td><td>390 10K 100K 1K</td><td>5% 5% 5% 5%</td><td>1/10W 1/10W 1/10W 1/10W</td><td></td></tra<> | IC LM358D IC MC78L05ACPRP INDUCTOR 100UH INDUCTOR 1MMH INDUCTOR 10UH INDUCTOR 10UH INDUCTOR 2.2MMH NSISTOR> TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR DTC144EK TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G | | R509 R510 R511 R512 | 1-216-039-00 1-216-073-00 1-216-097-00 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 390 10K 100K 1K | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W | |
| Q002 Q003 Q501 Q502 | 8-729-216-22 8-729-120-28 8-729-901-01 8-729-120-28 | TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR DTC144EK TRANSISTOR 2SC1623-L5L6 | | R514 R515 R516 | 1-216-230-00 1-216-061-00 1-216-049-00 1-216-039-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 22K 3.3K 1K 390 | 5% % % % % % % % % % % % % % % % % % % | 1/8W 1/10W 1/10W 1/10W | |
| Q503 | 8-729-901-01 | TRANSISTOR DTC144EK | | R517 R518 | 1-216-039-00 1-216-075-00 | METAL GLAZE METAL GLAZE | 390 12K | 5% 5% | 1/10W 1/10W | |
| Q508 Q509 Q564 Q565 Q566 | 8-729-901-01 8-729-120-28 8-729-216-22 8-729-120-28 8-729-120-28 | TRANSISTOR DTC144EK TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR DTC144EK | | R519 R520 R521 R522 | 1-216-055-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 220 68K 1.5K 33K 4.7K | 55555555555555555555555555555555555555 | 1/10W 1/10W 1/10W 1/10W | |
| Q567 | 8-729-901-01 | TRANSISTOR DTC144EK | | R524 R525 | 1-216-065-00 1-216-063-00 | | | | 1/10W 1/10W | |
| JR002 | 1-216-295-00 | ISTOR> METAL GLAZE 0 5% 1/10 | W | R525 R526 R527 R528 | 1-216-097-00 1-216-053-00 1-216-071-00 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 3.9K 100K 1.5K 8.2K 1K | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W | |
| JR502 R001 R002 R003 | 1-216-296-00 1-216-025-00 1-216-025-00 1-216-049-00 | METAL GLAZE 0 5% 1/10 METAL GLAZE 0 5% 1/8W METAL GLAZE 100 5% 1/10 METAL GLAZE 100 5% 1/10 METAL GLAZE 1K 5% 1/10 | ម ស ស | R529 R531 R532 R533 | 1-216-696-11 1-216-085-00 1-249-427-11 | METAL CHIP METAL GLAZE METAL | 75K 33K 6.8K | 0.50% 5% 5% 5% | 1/10W 1/10W 1/4W | |
| R006 R007 | 1-216-049-00 1-216-073-00 | METAL GLAZE 1K 5% 1/10 METAL GLAZE 10K 5% 1/10 | | R535 | 1-216-105-00 1-216-057-00 | METAL GLAZE METAL GLAZE | 220K 2.2K | 5% 5% | 1/10W 1/10W | |
| R008 R010 R011 | 1-216-049-00 1-216-049-00 1-216-049-00 | METAL GLAZE 1K 5% 1/10 METAL GLAZE 1K 5% 1/10 METAL GLAZE 1K 5% 1/10 | M M | R536 R538 R539 R540 | 1-216-057-00 1-216-025-00 1-216-657-11 1-216-295-00 | METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE | 0 | 5% 5% 0.50% 5% | 1/10W | |
| RO12 RO14 RO15 | 1-216-049-00 1-216-049-00 | METAL GLAZE 1K 5% 1/10 METAL GLAZE 1K 5% 1/10 METAL GLAZE 0 5% 1/80 | W | R541 | 1-216-049-00 | METAL GLAZE | 1K | 5% 5% | 1/10W | |
| RO16 RO17 RO18 | 1-216-296-00 1-216-045-00 1-216-049-00 1-216-041-00 | METAL GLAZE 680 5% 1/10 METAL GLAZE 1K 5% 1/10 | ₩ ₩ | R542 R544 R545 R546 R547 | 1-216-025-00 1-216-085-00 1-216-033-00 1-216-061-00 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 100 33K 220 3.3K 1K | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | |
| R020 R021 R025 | 1-216-049-00 1-216-065-00 | METAL GLAZE 1K 5% 1/10 METAL GLAZE 4.7K 5% 1/10 | I₩ I₩ | R551 | 1-216-049-00 | METAL GLAZE | 1 K | | 1/10W | |
| R026 R028 | 1-216-049-00 1-216-049-00 1-216-075-00 | METAL GLAZE 1K 5% 1/10 METAL GLAZE 1K 5% 1/10 METAL GLAZE 12K 5% 1/10 | W | R552 R553 R559 R560 | 1-216-097-00 1-216-085-00 1-216-049-00 1-216-073-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 100K 33K 1K 10K | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W | |
| | | | | | | | | | | |

The components identified by shading and mark $\hat{\Delta}$ are critical for safety.

Replace only with part number specified.

Les composants identifies par une trame et une marque Å sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



| | | - | | | |
|--------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------|---|
| REF.NO. | PART NO. | DESCRIPTION | | REMARK | 1 |
| R564 R565 R566 R567 R568 | 1-216-091-00 1-216-065-00 1-216-073-00 1-216-085-00 1-216-109-00 | METAL GLAZE 56K 5% METAL GLAZE 4.7K 5% METAL GLAZE 10K 5% METAL GLAZE 33K 5% METAL GLAZE 330K 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | 1 1 1 1 1 1 1 | |
| R570 | 1-216-049-00 | METAL GLAZE 1K 5% | 1/10W |] | |
| | <var< td=""><td>IABLE RESISTOR></td><td></td><td></td><td></td></var<> | IABLE RESISTOR> | | | |
| RV506 | 1-241-766-21 | RES, ADJ, CERMET 47K | | | |
| ***** | ******** | ******* | ******* | ****** | |
| | *1-646-681-11 | D3 BOARD ******* | | | |
| | <cap< td=""><td>ACITOR></td><td></td><td></td><td></td></cap<> | ACITOR> | | | |
| C951 | 1-102-030-00 | CERAMIC 330PF | 10% | 500V | |
| | <con< td=""><td>NECTOR></td><td></td><td>1</td><td></td></con<> | NECTOR> | | 1 | |
| CN951 | *1-564-505-11 | PLUG, CONNECTOR 2P | | | |
| | <010 | DE> | | ! ! ! | |
| D951 | 8-719-970-39 | DIODE ESAC92M-02 | | | |
| | <c01< td=""><td>L></td><td></td><td></td><td></td></c01<> | L> | | | |
| L951 | 1-410-396-41 | FERRITE BEAD INDUCTOR | | | |
| ***** | | ************************************** | ******* | ****** | |
| | | CELLANEOUS ******** | | į | |
| Δ | . 1-402-715-11 . 1-402-716-11 . 1-451-394-11 1-452-032-00 1-452-094-00 | COIL, DEGAUSSING COIL, DEGAUSSING DEFLECTION YOKE (Y29EX) MAGNET, DISK; 10MM \$ MAGNET, ROTATABLE DISK | A) ; 15ΜΜ φ | | |
| dia and Pallacial | . 1-452-616-12 1-504-121-21 1-504-145-11 . 1-590-501-11 | NECK ASSY, PICTURE TUB SPEAKER (SQUAWKER) (5CI SPEAKER (12CM) CORD, POWER (WITH NOIS (KV-S29 | M) | | |
| A L | . 1-590-762-11 | CORD, POWER (WITH PLUG |) (KV-S291 | 20) | |
| ¥901 ∆ | . 8-733-837-05 | PICTURE TUBE (M68KUZ10 | x) | | |

| REF.NO. PART NO. | DESCRIPTION | REMARK |
|-------------------------------|-------------------------------------------------------------------------------------------|-------------|
| ,, | IES AND PACKING MATERIALS | • |
| 4-202-091-11 | MANUAL, INSTRUCTION (GERMAN/E FRENCH/DUTCH/ITALIAN/PORTUGUE | |
| 4-202-091-51 | MANUAL, INSTRUCTION (FRENCH/GITALIAN) | |
| 4-202-091-61 4-202-091-71 | MANUAL, INSTRUCTION (ENGLISH) MANUAL, INSTRUCTION (FRENCH/S DUTCH/SWEDISH/DANISH/FINNISH/ | PANISH/ |
| *4-202-105-01 | CUSHION (LOWER) (ASSY) | (K4-329136) |
| *4-202-117-01 4-202-137-01 | CUSHION (UPPER) (ASSY) INDIVIDUAL CARTON DOOR, REAR BAG, PROTECTION | |
| REM | OTE COMMANDER | |

1-466-804-11 REMOTE COMMANDER (RM-832) 9-903-466-01 POCKET COVER (FOR RM-832)